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WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

See Bigger Crop of Fall Pigs

"IS THIS a good year to raise fall pigs?" The question was put to Roy A. Denzler, an Iowa county, Iowa, farmer and chairman of the county AAA.

"Farmers seem to think so," Denzler replied, as he hunted some figures from farmers' 1945 intention sheets. A summary from reports including every tenth farm indicated 43 per cent more sows for fall farrowing in Iowa county in 1945, as compared with 1944. The spring pig crop was reported as up 1 per cent.

"They'll be able to get the 1945 fall pigs to market before the $13 support price ends, in September, 1946," was one reason which Denzler offered for the increase.

"Farmers are making up for the spring pigs they didn't raise," said John W. Jackson, reporting a 61 per cent increase in fall sows for Mahaska county, Iowa. Farmers' intention sheets reported a 2 per cent spring pig increase. Jackson is a member of the county AAA committee.

"And, besides, a bunch of hogs brings a lot of money now," Jackson continued. When it was suggested that this might be the last chance for farmers to cash in on a war pork market, Jackson thought hogs might still be good property, but, of course, he admitted no one knows what the market will be after September, 1946.

"The better feed situation makes this look like a good year to raise fall pigs," said Howard H. Hooper, AAA chairman of Marion county, Iowa.

A sample from Marion county farmers' intention sheets showed they expected to keep 91 per cent more fall sows in 1945 than were kept in 1944. The spring pig crop in Marion county went down 14 per cent in 1944.

"Labor shortage has made summer and fall pigs more popular with farmers," according to Glen Sorden, member of the Keokuk county AAA committee. He thinks a part of the 34 per cent increase in fall sows reported on Keokuk county farmers' intention sheets is a shift from spring pigs, which were up only 2 per cent in 1945 over 1944.

It appears at the present time that farmers have definitely decided that this is a good year to raise fall pigs. They may even exceed the 25 per cent increase in fall pigs over last year asked in Iowa by the War Food Administration. The national increase asked is 18 per cent.

Reasons given by farmers for breeding more sows for fall pigs this year vary with conditions on individual farms, but they can be summarized as follows:

1. There is more feed. Crop prospects for 1945, including both oats and corn, are favorable. On some farms there is high-moisture corn that farmers would rather chance feeding to hogs than selling on the market.

2. The chance for hog profits looks better. Hog prices are at ceilings. Higher support prices until September, 1946, are there if needed. It is unlikely that enough fall pigs could be raised to cause marketing trouble like that in early 1944.

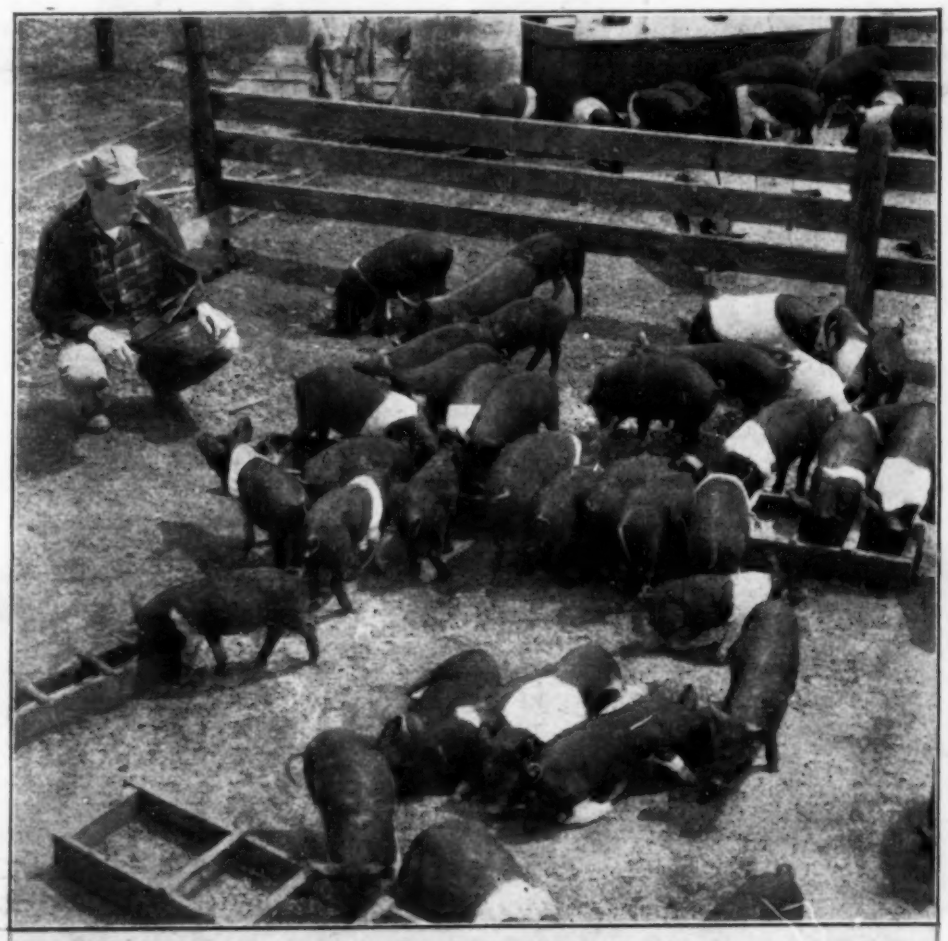
3. Labor can be saved in the busy season by shifting from spring to summer or fall pigs. Summer pigs actually require less attention and the work with fall pigs comes at a less busy time.

4. Sows can be bred for fall pigs and sold on the market with little chance of loss in July or August if hog or crop prospects happen to be unfavorable at that time. Farmers regard this as a protection against developments impossible to forecast in a war year.

If sows are to be kept for fall farrowing, when should they be bred? Should old sows or gilts be kept?

"September is a good month for fall pigs," said Carl H. Maas, of Iowa county, Iowa. He thinks October a little too late. For September farrowing, sows must be bred at once. May 20 breeding will bring pigs about September 10, and the last day on which sows could be bred and still farrow in September would be June 8 or 9.

(Continued on page 13)



Two Pig Crops per year are raised by Grover Loftin and son, La Verne, Poweshiek county, Iowa. The father has 105 pigs from 11 sows. La Verne (shown above) has 37 pigs from five sows. Gilts are bred for fall litters and rebred for spring litters.

MAY 19, 1945
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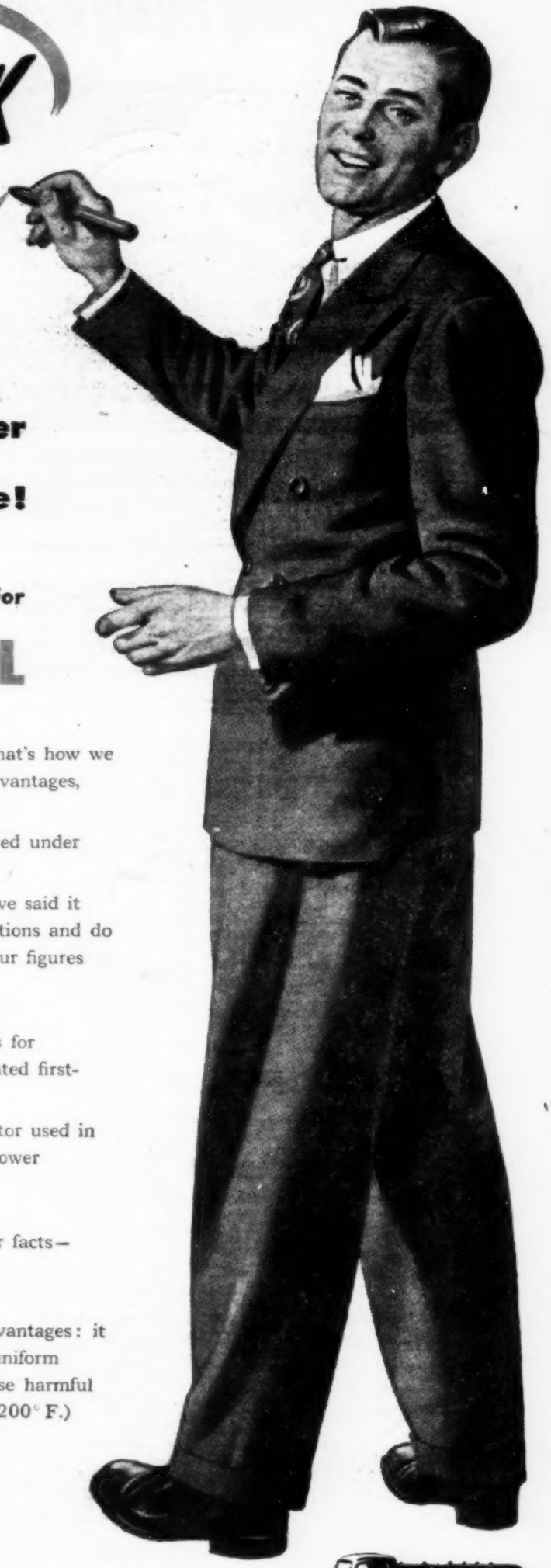

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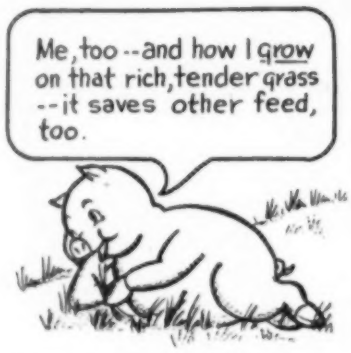

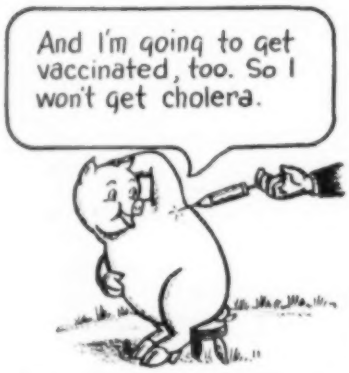

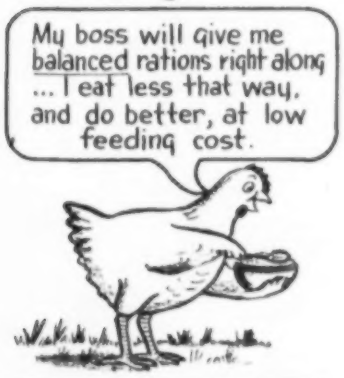

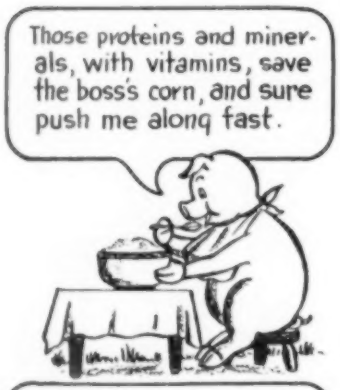

These management suggestions, recommended by leading experiment stations and farm authorities, are published in the interests of greater 1945 poultry and swine production.

FEED INSTITUTE OF IOWA
830 Liberty Bldg. DES MOINES

INSIDE STUFF

HOW MANY war contracts will be canceled in the next few months? One guess is that there may be a 20 per cent cut-back on total army-navy orders by August.

▲ ▲

SOME UNEMPLOYMENT is likely this fall and winter. Cut-backs in army-navy orders may come faster than civilian plants can be retooled for civilian goods. Market milk sales in some cities may suffer.

▲ ▲

GOOD SIGNS for getting industry back to civilian production are these: President Truman, as head of the Truman Committee, always felt the army had a tendency to over-order; he will be inclined to check up closely on service demands; General Clay, army spokesman on WPB, is gone, has been replaced by Bob Nathan, who looks at things as Truman does.

▲ ▲

DON'T PLAN any railroad trips this summer. When the movement of troops from Europe to the Pacific gets under way, the east and west railroads will get the hardest workout to date.

▲ ▲

THESE NAZI concentration camps are old stories—and horrible ones—to those who have followed the news carefully. Some were organized as early as 1933. German labor leaders, clergymen, journalists, politicians, were sent to them, starved, beaten and killed. The Nazis killed Germans—those who opposed Hitler—by the hundreds of thousands.

▲ ▲

IN THE NEW YORK TIMES, Francis Hackett writes: "Allied diplomats knew all about Buchenwald concentration camp as early as 1939, and practiced hush-hush about it to appease Germany. 'It would have been wrong,' says His Majesty's government, 'to do anything to embitter relations between the two countries' by publishing the terrible facts about Buchenwald. (White Paper, Germany, No. 2, 1939.)"

▲ ▲

SINCE THE CUT in sugar rations, we've been looking at the hive of bees in our side yard with a more friendly eye. We seem to have acquired a batch with more stingers than we like, but right now we're willing to take a few stings in exchange for honey.

▲ ▲

WORST EFFECT of the late freeze at our place was to kill the summer apple crop. I'll miss that Duchess apple sauce. The late apples look all right, but won't amount to much if I don't get to work with the spray.

▲ ▲

THIS IS THE TIME of year when we wish the asparagus bed were twice as big. I did put in 25 new two-year-old plants this year. They'll furnish some eating next spring.

DONALD R. MURPHY.

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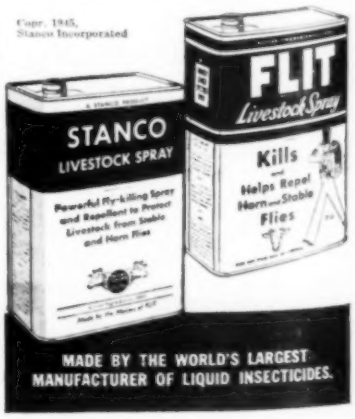

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Editorials

Plan To Raise More Fall Pigs

CORN belt farmers are doing the sensible thing in planning to increase fall pig production. That means, of course, getting sows and gilts bred for fall litters right away.

Farmers raising fall pigs this year have price protection on good and choice hogs up to 300 pounds clear thru to September 1, 1946. For this period, a support price of $13 per hundred at Chicago is promised.

If pay rolls stay high, and if relief demands are large, hog prices—during most of this period—will come nearer the $14.75 ceiling than the $13 support. But, at the worst, $13 is a good price for hogs, even with corn around a dollar.

Nobody should raise fall pigs unless he has the equipment, of course. And nobody should raise them unless he is pretty well fixed for feed. If hail hits the corn crop, a man can always sell his bred sows in August.

Iowa's goal for fall pigs is 824,000 sows to farrow. This is a lot less than the 928,000 that farrowed in 1943. The goal is well within the powers of Iowa farmers, if the corn crop turns out right.

Incidentally, this may be the last pig crop which has a support price this high. The spring pig crop of 1946 may be supported only at 90 per cent of parity, or around $11.50 at Chicago.

Why Should We Use Less Sugar?

THE cut in sugar rations will hit farm people hard. Farm folks don't save much sugar by eating in restaurants or by using bakery goods. But they have extra help to feed and extra visitors. And farm women do a lot of canning.

To many farm people, too, it will seem queer that victory in Europe and more acute shortages should come together.

Yet that is exactly what has happened. Liberated Europe is eating less now than it was under Nazi occupation. To many people, liberation has brought starvation.

Why is this so? Look at the pictures of bombing. Railroads are gone; bridges are out; highways are blasted; trucks are used up. There may be a surplus of food in one area, and, 30 miles away, folks may be going hungry.

Total food production is down. You can't do much farming when armies are fighting over your fields, when your work stock is killed, when your barns are burned, and your cows and hogs slaughtered by soldiers.

As President Truman said, in recommending an extension of rationing and price control: "We must do our part in helping to prevent anarchy, riot and pestilence in the areas liberated from Axis domination. These requirements place a greater and greater strain on our resources."

To keep liberated Europe from complete collapse, we need to ship abroad trucks, locomotives and tools, as well as food. Actually, we shall send minimum quantities of food—much less than is really needed. But even this minimum will be hard to collect.

Any farm woman who could look into the starved face of a child refugee would say at once: "Of course, I'll help!"

And any farmer who stops to think what a beaten and starving Europe could do to the health and peace of the world would be willing to give up a lot to help France and Belgium and Holland and Norway, and the other once-occupied countries, get on their feet.

The cut in sugar rations will hit farm people hard. But look, in the newspapers, at the photographs of the starving.

"We ate better under Hitler," many are saying in Europe now. If democratic victory can't treat them better than the Nazis, they may start looking for another Hitler.

Out of misery and chaos, another dictator could rise. And another war.

If a few pounds less of sugar for each of us will help to prevent that, what's a little sugar.

"DON'T DO AS WE DID"

An Iowa farm woman sends this warning to returned veterans and young farmers who are planning to buy farms now:

"My husband was a young man after the first World War. A banker persuaded him to put $10,000 cash he inherited from his folks into this 200 acres, and also to take on $25,000 in first and second mortgages.

"We paid high interest for years, and then we nearly lost the farm. A land bank loan saved us.

"We have spent the best years of our lives —24 years at hard labor—with fewer conveniences than my great-grandmother had. And if we get out of the hole of debt, we will have put into the hole $40,000 in cash, plus all the interest over the years, which I haven't had the heart to add up.

"In the beginning of our married life, we paid $2,000 in interest before we could buy one thing for ourselves.

"Yet my husband is a good business man, and a good farmer. It is just that we started with the handicap of high-priced land and a big mortgage.

"To young farmers of today, we both say: 'Don't do as we did.'"

Move More Cattle Off The Range

THE big beef problem is to move more cattle off the range to feed-lots. This is needed to protect ranchers against the post-war slump. Cattle numbers are too near the peak now. Heavy sales from the range to feed-lots are also needed to provide extra meat while hog production is relatively low.

None of the plans so far announced helps much in getting more feeders off the range and into feed-lots. A subsidy paid direct to feeders might be useful. So would cutting out the packer subsidy on slaughtering light cattle that would otherwise be sent to feed-lots.

Another plan, suggested by a cattle feeder, would be to stimulate movement of cattle off the range by giving each rancher a quota, based on his three-year sales. If one rancher, for instance, sold an average of 300 head in the last three years, he would get no extra pay until 300 head had been sold in the current year.

But on anything over that base quota, he would be paid $5 per head on steers and $10 per head on she-stuff. The idea here is to whittle down the breeding herds.

Would this really move more cattle to the corn belt? We'd like to hear comments from cattle feeders.

Should All Farmers Be Deferred?

PRESIDENT TRUMAN told congress it got hold of the farm draft deferment question by the wrong handle when it passed the Flannagan amendment. Congress, said the president, should remember that the Selective Service Act prohibits wholesale deferment by groups. He thought the nation had better stand by that principle.

Most farmers will agree with the president on this. They can see no sense in saying that any man, because he has a cow or a pig or two, is therefore declared to be exempt from the draft.

But also most farmers would like to see somebody straighten out this farm draft problem, and do it quick. One way would be for congress to authorize Selective Service to go back to the old 16-unit rule.

It surely makes sense to say that a farmer who is milking five cows, feeding 30 pigs and raising 40 acres of corn (total, 16 units) is more important to food production and national well-being than another man who is milking two cows, feeding four pigs and raising 10 acres of corn (total, 4½ units).

To say that the army had just as well take the first man as the second (and this was the way the Tydings amendment has usually worked), or that neither man should be taken (and this was the plan of the Flannagan amendment) isn't fair to anybody.

Wallaces' Farmer and Iowa Homestead is in hearty agreement with President Truman's veto of the Flannagan amendment. Now we wish he would nudge congress into passing a joint resolution instructing Selective Service to go back to the 16-unit rule.

Meat Output Still at Record Levels

FARMERS may have to do some cheering about their own accomplishments. From some of the talk going around, you would think that farmers were producing less food than usual.

On the basis of planned acreage and normal yields, total food production in 1945 will be about 6 per cent down from 1944. But it will be 30 per cent higher than average production in 1935-39.

In spite of declines in pork production, the 1945 estimate is still about 43 per cent above pre-war production. And over-all meat production is 38 per cent above pre-war, a record exceeded only in two years in history, 1943 and 1944. These are United States Department of Commerce estimates.

But if meat production is likely to be up 38 per cent over pre-war, demand is up much more than 38 per cent. That isn't the farmers' fault, however. That's war!

Creep-Feeding Can Save Pigs' Lives

CREEP-FEEDING of pigs saves lives. The Illinois experiment station reports 5.6 per cent more pigs lived to weaning age where they had their own quarters for eating, compared with pigs that had to eat with the sows.

Pigs gained faster with creep-feeding. Probably this fact saved some of the pigs' lives, as they got by the period of little-pig diseases more rapidly. The first few weeks is the dangerous age in pigs.

Creep-feeding makes life safer for little pigs in other ways. Not so many will be stepped on and run over by sows fighting over the feed.

Odds *and* Ends

NO MORE casualty lists from Europe. That's the big reward for the United States for victory in Germany.

FEWER tools, less sugar, fewer tires and most of the boys still in the army and navy—these are other and less welcome rewards of victory.

MORE starvation, more freezing, more disease, worse shelter—these are the rewards of liberation in Europe to those liberated.

WAR destroys. We can not throw half of our energies into the building of warships and armies without running short on other things. And Europe, after being bombed to pieces, can't expect to start doing business as usual.

AFTER every war comes the hard job of cleaning up, of getting back to peace-time work. This time, we have to clean up in Europe at the same time that we are tearing things to pieces in Asia.

AND at home comes the risk of inflation, of a wild last-minute boom before the war prosperity cracks. The greedy and the too-hopeful can lead the nation into disaster.

VE DAY simply means a new set of problems. Tired people, ready for a rest, may refuse to try to deal with them. Yet all of us need to remember that we can still lose one war. We can still lose the peace.

SENATOR Aiken, Republican, of Vermont, urges the United States to enter the international food and agriculture organization, "to insure that food will never again be permitted to rot in one land while famine stalks in others."

HOW much farm machinery is being sent abroad on lend-lease? In 1945, 5.9 per cent of the wheel tractors produced were in this class; also 1.9 per cent of the combines and 1.1 per cent of the cultivators.

FOOD received as reverse lend-lease from Australia and New Zealand was worth 16 times the value of the farm equipment supplied these countries. In general, lend-lease farm machinery went to help produce food abroad so that we wouldn't need to ship so much from the United States.

FROM one to two million veterans and others will be looking for farms after the war ends, according to present estimates. Retirement, deaths, etc., on farms that produce gross incomes of $600 a year or more, are not likely to leave more than 400,000 vacant. What do the rest of the farm-hunters do?

GOOD news for the long future is contained in the passage by the house of representatives of the bill putting the United States into the international FAO (Food and Agriculture Organization). This gives surplus producing nations, for instance, a chance to get together on marketing plans without cutting each other's throats.

ED O'NEAL, of the American Farm Bureau Federation, is supporting extension of the reciprocal Trade Agreements Act, which would permit Hull's reciprocal trading program to be carried on and permit a further 50 per cent cut in tariffs.

Song of the Lazy Farmer

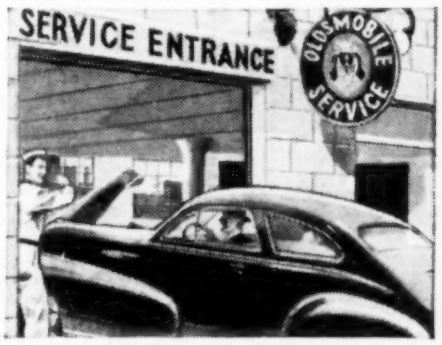
FARM papers are a joy to take, I like 'em for their own sweet sake because they print no scandals wild or speak in terms so city styled. I hasten out each date they're due to wait while mailman comes in view and grab the grist he fetches me along those miles of R. F. D. I've read that paper, boy and man, for nearly all my whole life span and bank on facts it dishes out like gospel to the most devout. I like the letters printed there from farmers who are in despair because their cattle have the bots or tater vines develop rots, or how to mix the whitewash best or kill some pesky apple pest. I even read the household hints and at the ads I take some squints.

When evening comes, I read aloud them editorial statements proud and ask Mirandy what she thinks of plans by economic ginks to organize the farming game and give us farmers power and fame. She only nods and smiles and knits, and listens to such flighty bits as written by the ones who know which way our craft should oughta go. Farm papers are a lot of use because they give me good excuse to sit and think and think and sit and not all hot and bothered git. They comfort me because I find I read 'em best when I'm reclined.

Emergency Exit ! ...1906

"Hold 'er, Newt!" . . . some wag from the sidewalk shouts, as all that Pa's furious cranking produces is lots of noise but very little success. Ma seems a bit excited, too, as she and Junior scramble through that "convenient tonneau entrance from the rear." Nothing very serious wrong, no doubt, since this is an Oldsmobile, the biggest selling, most popular car on the road . . . Still, Pa looks as if he would appreciate some really expert assistance, which, in those early days, was almost impossible to find.

Emergency Entrance !.. 1945



Today, "when a fellow needs a friend," there's an Oldsmobile Dealer somewhere nearby . . . who's ready and willing and thoroughly equipped to help you out. But remember, he's not there for emergencies only. His big job is *preventing trouble,* taking such good care of your car that emergencies won't develop. See him regularly for lubrication and thorough inspection. And if he recommends other service, let him perform it. He has trained mechanics, modern equipment and a good stock of replacement parts. . . everything it takes to do the job right. Particularly if your wartime car is a quality-built Oldsmobile, you'll enjoy the nearest thing to trouble-free performance by making your Oldsmobile Dealer's not just an emergency entrance, but a regular "port of call!"

BUY WAR BONDS . . . TO KEEP 'EM FIRING

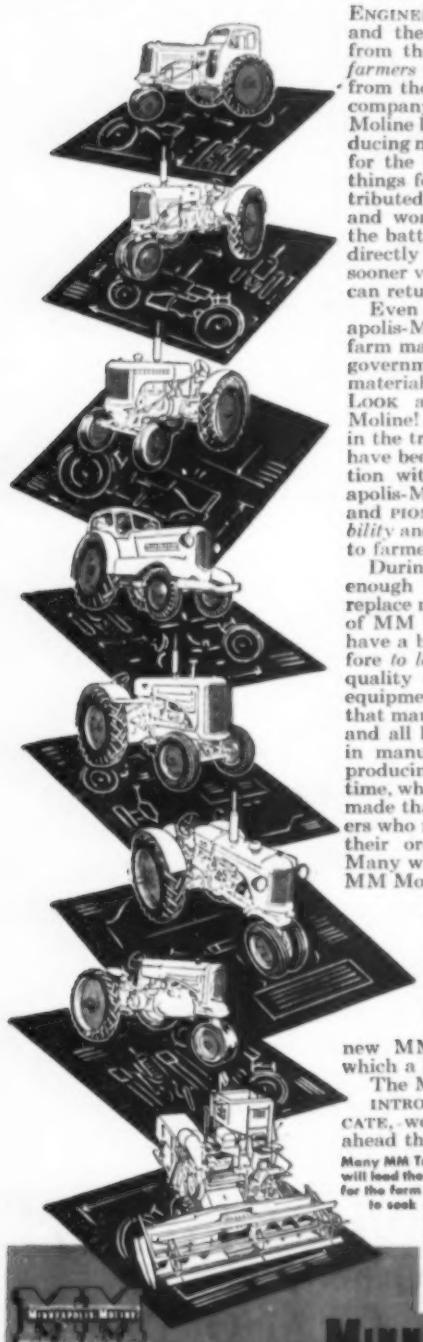
OLDSMOBILE

DIVISION OF

GENERAL MOTORS

AMERICA'S OLDEST MOTOR CAR MANUFACTURER

BLUEPRINTS OF THE *Future*



ENGINEERING BLUEPRINTS of the past, and the records of the products made from these Blueprints *often* indicate to *farmers* what they can rightfully expect from the blueprints of the future of any company. During the war, Minneapolis-Moline has an outstanding record in producing many precision weapons and parts for the armed services. By doing these things for the war effort, MM has contributed to the welfare of our country and worked for every fighting man on the battlefronts. This war work has also directly helped our farmers because the sooner victory comes, the sooner all of us can return to our normal ways of living.

Even during these war years, Minneapolis-Moline has been producing all the farm machinery and tractors allowed by government limitation orders for which materials could be obtained on time. LOOK at the record of Minneapolis-Moline! Many outstanding contributions in the tractor and farm machinery fields have been pioneered by MM in cooperation with farmers. Today, the Minneapolis-Moline policy of ENGINEERING and PIONEERING for *simplicity, dependability* and *economy* means more than ever to farmers.

During these war years, when not enough farm machinery is available to replace machines being worn out, owners of MM modern machinery and tractors have a better opportunity than ever before *to learn* for themselves of the high quality of the materials put into MM equipment—*to learn* of MM engineering that many find is always years ahead . . . and all have learned that "Know-how" in manufacturing is also important in producing TOP QUALITY products. At this time, when fewer MM products are being made than are normally available, farmers who need new Machinery are placing their orders with MM dealers early. Many who can wait, are waiting for the MM Modern Machinery that will be put on the market as soon as possible after victory is ours.

All during the war years, MM engineers have been busy planning what the new MM products of the future will be. One indication of what is yet to come is shown at the left—the new MM *self-propelled* HARVESTOR of which a limited quantity is being made.

The MM tractors shown on the page, INTRODUCED BEFORE THE WAR, INDICATE, we believe, that MM was years ahead then as NOW.

Many MM Tractors and Machines of the past indicate MM will lead the parade of progress in pioneering new things for the farm in the future. American farmers' eagerness to seek new methods and machines to save time, labor and expense and their ability to buy modern farm machinery and tractors has raised their standard of living to the highest of any agricultural people anywhere in all the world. Keep your machinery in good operating condition and BUY WAR BONDS AND KEEP THEM.

MINNEAPOLIS-MOLINE
MODERN FARM MACHINERY

MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY MINNEAPOLIS 1 MINNESOTA

Weedy Corn Is Made Now

WEEDY corn fields are made in the period from corn planting to corn plowing. If a good stand of weeds comes up, and they get a good start before the corn is three inches high, no cultivator will get them all out of the rows.

One crop of weeds should have been destroyed with disk and harrow just before the corn was planted. Many farmers follow this up by destroying another crop just before the corn comes up.

A common method on surface-planted corn is to leave the slight depression made by the planter marks until the corn is ready to come up, except on hillsides where the corn might wash out. Then, just as the corn spikes thru the ground, harrow once or twice.

Harrow teeth should be given some slope so the corn will not be torn out. The first time over, the tractor should straddle the rows, so the wheels won't pass directly over hills of corn. The second harrowing can be crosswise or around the hills. Very little stand damage will result if the ground is in good shape.

If contoured corn is to be harrowed twice just before it comes up, the harrow can lap half each time thru the field. By this method, the tractor can be kept off the rows all the time. Hitting the weeds from each direction is very effective in uprooting them.

Some farmers harrow corn after it has unrolled the second leaves and is two inches or more high. If corn is not harrowed just as it spikes thru the ground, it is best to wait until the second or third leaves appear. Harrowing in between these times will damage the corn.

Many farmers report little damage from harrowing corn two or three inches high, while others start the job and quit. It often gives excellent results in killing weeds.

There is a best time for the harrow to kill weeds as well as to save the corn. The very best job is done when the weeds have just come thru. Often they can't be seen without getting down on the hands and knees. At this stage, the white roots will be harrowed up to die. A few days later, they may survive the harrowing.

Another excellent method of killing weeds before the corn is big enough to cultivate is to use the rotary hoe or weeder. These machines are especially adapted to tractors which can pull them at high speed.

Corn can be almost any size when the rotary hoe is used. Stand damage is estimated as low as 1 per cent. For best results, however, the weeds should be just coming up or getting started.

For very foul fields, blind cultivation is effective weed control. This method is most useful against smartweeds or other coarse weeds which the harrow or weeder may not destroy. It is necessary to leave the planter marks until the corn starts to come up, then cultivate and harrow immediately.

Any one of these methods, or several combinations of them, can be used in the fight against weeds in the first few weeks after the corn is planted.

Working the land in the two or three weeks after corn planting seems like a lot of extra work, but it has its compensations. Usually, one cultivation is saved, and the corn fields have fewer weeds thruout the summer. Weeds are the real enemy of big corn yields.

POOL CAR SALE PRICES

DIAMOND STOCK SPRAY

ORDER AT ONCE TIME IS LIMITED

For Sale Discounts

Plan ahead and get a good supply now. Save with special discounts during POOL CAR SALE. For limited time only. Order now—pay later.

One Application Protects Cows All Day DOES NOT TAINT MILK

Apply according to simple directions with a hand or machine sprayer. No unpleasant odor. Proved thoroughly safe and effective through many years' use by leading dairymen.

KILLS FLIES

and Other Insects **— Diamond Stock Spray acts with great rapidity . . . kills barn flies, house flies, horn flies, mosquitoes and other insects. Keeps cows comfortable instead of fighting off pests all day.**

Increases Dairy Profits by Increasing Milk Yield

MAKES MILKING EASIER

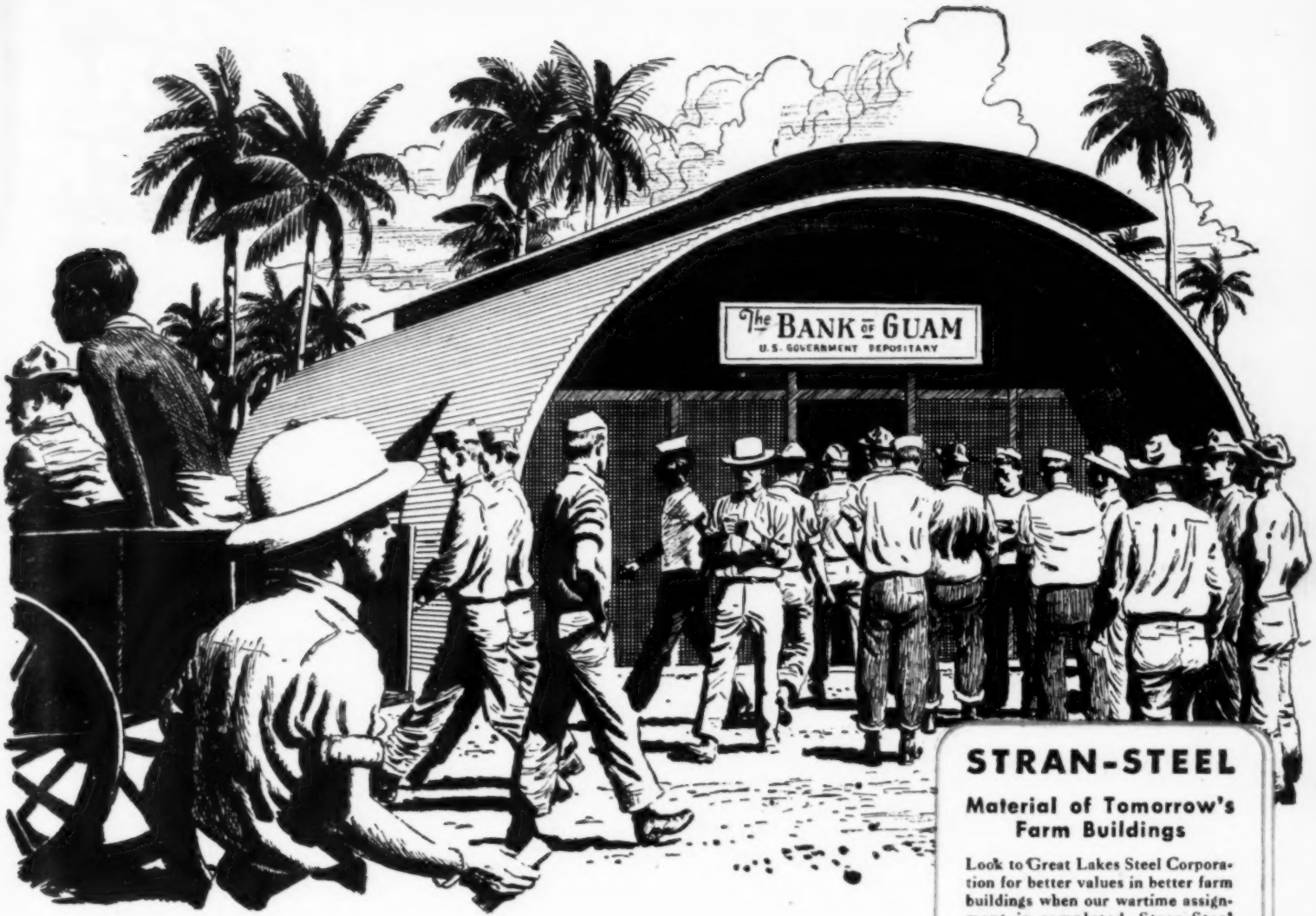
FOR CATTLE, HORSES AND POULTRY

Spray animals in morning; they are protected all day, whether in pasture or at work. For CHICKEN MITES, spray chicken house, also nests, cracks and crevices inside.

SOLD ON MONEY-BACK GUARANTEE

Delivered to your door. Communicate with D-X Bulk Station agent or distributor, or write us.

MID-CONTINENT PETROLEUM CORPORATION
TULSA, OKLA.
Waterloo, Iowa — Terre Haute, Ind.



There's something familiar about the

Bank of Guam

Yes — it's another Quonset Hut

Not long ago the Bank of Guam consisted of ten crates, stowed with others in the hold of a ship bearing supplies to advanced base headquarters of the Pacific Ocean area. In these crates were the component parts that make up a Quonset Hut — lightweight Stran-Steel framing, metal roofing and siding, nails, bulkheads, electric wiring and fixtures, ventilators, windows, door panels.

At that point, no one in this wide world could have told how this particular group of ten crates—this particular Quonset Hut—would serve. It might have become a barber shop—or a barn . . . a barracks building—or a bakery . . . a communications building—or a bomb assembly shed. "You name it, we'll build it" is the Seabees' attitude when the Quonset Hut crates hit the beach!

And so, it became the Bank of Guam!

Tens of thousands of Quonset Huts have been produced by the Great Lakes Steel Corporation to house men, materials and operations at our Pacific bases. So varied are their uses, so vast their application, that they have become the very symbol of American progress against Japan . . . the milestones on the road to Tokyo.

Back the 7th War Loan . . . Buy War Bonds

GREAT LAKES STEEL CORPORATION

STRAN-STEEL DIVISION • 37TH FLOOR PENOBSCOT BUILDING • DETROIT 26

UNIT OF NATIONAL STEEL CORPORATION

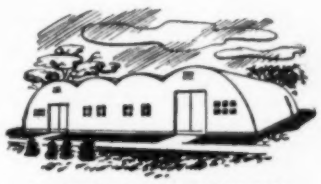
STRAN-STEEL

Material of Tomorrow's Farm Buildings

Look to Great Lakes Steel Corporation for better values in better farm buildings when our wartime assignment is completed. Stran-Steel farm buildings go up faster, stay up longer . . . resist rot, warp, sag and termites . . . permit fire-safe construction. Stran-Steel Quonset Huts gave the Navy what it wanted; Stran-Steel farm buildings will give you what you want.

FARM BUILDINGS

FRAMING FOR HOMES



COMMERCIAL AND INDUSTRIAL BUILDINGS

YOU NAIL TO STRAN STEEL

300 EXTRA BUSHELS IN MY BIN!

Thanks to MASSEY-HARRIS "Self-Propelled" COMBINING

● Thousands of grain-growing farmers throughout America can boast of extra bushels in the bin because of the Massey-Harris Self-Propelled Harvest Brigade of 1944. In this great million-acre, war-emergency operation, half a million bushels of vitally-needed grain were saved. How? By eliminating the tractor which normally tramps down grain ahead of the combine on opening cuts . . . resulting in an average saving of ½ bushel per acre.

Self-Propelled

IS THE ANSWER FOR 1945

Because of the shortage of harvesting machinery and labor, there will be a new Harvest Brigade in 1945 which again will crowd five seasons' work into one—making limited materials and men do the greatest possible amount of work at a critical period. When the emergency has passed, Massey-Harris will be able to build Self-Propelled Combines for all farmers who need them . . . not only the 14-foot Brigade Combines, but 7-foot-cut Self-Propelled Clipper Combines for farmers with smaller acreage or diversified crops. Then you will be able to harvest your grain the "Self-Propelled" way, with one machine—eliminating tractor and tractor operator, saving grain, fuel, time and money.

Massey-Harris also builds Forage Clippers, Power-Plus Tractors, High-Speed Plows and many other cost-cutting implements. Ask your Massey-Harris dealer about them, and let him co-operate with you now in keeping your present implements in good repair.

THE MASSEY-HARRIS CO., RACINE, WISCONSIN

TRACTORS, COMBINES, FARM IMPLEMENTS

★ Keep on buying War Bonds
★ Send your pulpwood to war
★ Salvage paper and metals

★ 7-ft. Self-Propelled Clippers ★ Forage Clippers ★ Power-Plus Tractors

MASSEY-HARRIS BRIGADE DEALERS

IOWA

AKRON ..... V. G. ADAMS
ARCADIA ..... H. J. PETERS & SONS
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REMSEN ..... SCHAAF HARDWARE
SIBLEY ..... PETER FELDKNAP
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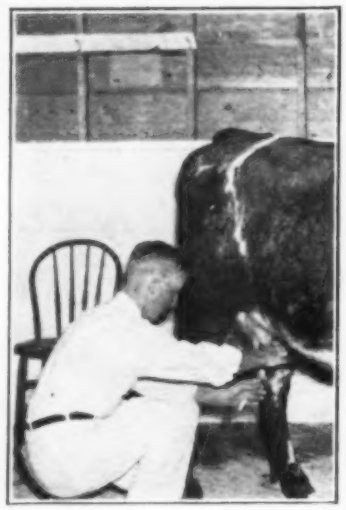

Milk Sample is being taken by Estil Gay, a member of a Monroe county, Iowa, dairy demonstration team, for mastitis test.

When to Plant Corn Over

WHAT'S a good stand of corn? At what point does it pay to plant the field over?

The answer depends on the kind of soil and the location. Level lands in the northern corn belt can support heavier stands than hilly lands in the western corn belt.

A five-year test by the Iowa Corn and Small Grain Growers Association indicated biggest yields in northern Iowa with 3.68 stalks per hill. Row spacing was 42 inches, and the count was made at harvest time.

In southern Iowa, with row spacing the same, yields were best with number of stalks per hill averaging from 2.29 to 2.90. There was a slight advantage for the thinner stands, but not enough to be significant.

> Yields went down rapidly in northern Iowa when stalks at harvest time went below three per hill. In southern Iowa, less than two stalks per hill brought sharp reductions in yields.

The cost of replanting may run as high as $2 per acre. But, as there will be more shrinkage in the stand, it is likely that replanting will pay if corn fields have less than 2.25 stalks per hill in southern Iowa and three in northern Iowa. After June 1, it might pay to leave a thinner stand than in May.

Counting the healthy stalks in an entire row is a good way to determine the stand. At 2.25 stalks per hill, an 80-rod row should have 848 stalks, which is about a minimum stand. At three stalks per hill, an 80-rod row with 42-inch spacing will have 1,131 stalks.

To have the same number of stalks per acre, rows with 40-inch spacing should have 808 stalks at the southern Iowa rate of 2.25, and at the northern Iowa rate of three stalks per hill an 80-rod row should have 1,077 stalks.

Net Return Is Bigger From Good Cows

Feed cost for cows producing 150 pounds of butterfat per year was $51 and income over feed cost was $39, according to dairy production records in North Dakota in 1944. The average cow in North Dakota produces about 150 pounds of butterfat annually.

For cows producing 280 pounds of butterfat in a year, the feed cost was $60.50, and the income over feed cost was $92 per cow. High-producing cows returned $53 in extra income for an increased feed cost of $9.60 per cow.

PRIME

Hi-line Controllers for Electric Fence

The only controllers giving you all these advantages for modern, money-making farming:

1. ***Alternating Current on Fence.*** The multiple impulses of alternating current cause more muscular reaction — more respect for the fence.
2. ***A Stronger Shock.*** Current — not voltage—means shock. Prime A.C. controllers have twice as much current as other approved controllers.
3. ***A Longer Shock.*** Prime A.C. controllers deliver several impulses in each shock period. Controllers using tubes or rectifiers deliver only one impulse in each shock period.
4. ***Less Current Leakage.*** Higher current values with relatively low peak voltage means less current leakage — more shock.
5. ***Low Operating Cost.*** One full year's operation for less than the cost of one hotshot battery.
6. ***Safety — Dependability.*** Approved by Underwriters' Laboratories for safety and dependability since 1939. No other controllers have had such approval.

Get these advantages now. See your Prime dealer. . . . And write for free booklet on how to build and maintain electric fence.

THE PRIME MFG. CO.
1669 S. First St. Milwaukee 4, Wis.

OTTAWA TRACTOR SAW

Make money sawing wood. Use Ottawa—fastest cutting. Cuts large, small logs easiest way. Fells trees. One man operates. Thousands in use. Built to last with heavy, stiff saw blade. Positive safety clutch control; uses power take-off any tractor. OTTAWA MFG. CO., D1728 Forest Ave., Ottawa, Kans.

COOL MILK FOR MORE PROFIT

With a *LIFE TIME* COOLING TANK

Made of reinforced Haydite Concrete. Uses water to cool milk quickly. Stores 4 cans safely, preventing spoilage and loss.

ONLY 34.50 Freight paid

For Full Details Write to
W. O. Johnson Company
2110 So. 55 St. Omaha, Nebr.

Because it is so quickly and easily scrubbed clean— a lot of people like the Surge!

POPCORN WANTED

Will buy Popcorn, processed, bagged, at $8.75 cwt. f. o. b. processing plant; also interested in contracting acreage.

Poppers' Boy Products Co.
60 EAST 13TH ST. CHICAGO 5, ILL.

Sweet Potato Plants Nancy Hall, Porto Ricos, 500 $1.35, 1000 $2.50, 3000 $7, 5000 and over $6.75 per 1000. PLANT FARMS, SHARON, TENNESSEE

First Aid for Stock

Never Relax Hog Cholera Fight

Hog cholera can still strike your herd and cause big losses. The disease is always present somewhere in the corn-hog country. Here are some safety measures:

Never relax in the practice of vaccination against hog cholera. Losses have been kept under 2 per cent in recent years, whereas they were 10 per cent or more during some of the years before the discovery of serum-virus vaccination.

Don't postpone protective measures until the disease strikes.

Be careful. If you have not yet vaccinated, keep newly purchased stock away from the rest of your herd for three weeks. This is a good precaution anyway, for thereby you can satisfy yourself that they are free from enteritis or other diseases.

Treat Calves For Ringworm

We have a calf that has a crust around the eyes and other spots. Will you tell how to treat this? Some call it ringworm.—T. J., Lee County, Iowa.

Ringworm is treated by removing all crusts and scabs from infected spots by washing with soap and warm water. Then apply either sulphur ointment, tincture of iodine or nitrate of mercury ointment once daily. Clipping the hair around the infected spot will make the treatment more effective.

Ringworm is caused by a fungus growth that can be transmitted to people. Thoro washing of the hands after treating the infected calves is recommended.

Phenothiazine Kills Sheep Worms

Phenothiazine is now accepted as standard treatment for sheep worms. It may be given in a drench, or in feed, being certain that each animal gets the proper dosage of one ounce per head. Preliminary starving is unnecessary, except to encourage consumption of the drug when given in the feed.

Following treatment, a mixture of one part phenothiazine to nine parts of salt may be self-fed. This mixture is not strong enough to kill the adult worms, but does furnish protection again reinfestation.

Worm-free sheep will gain 10 per cent faster than wormy ones.

Pig Litters Weigh 46 Pounds

A sow which farrowed 46-pound litters two years in succession is reported by Walter F. Lukkock, Jackson county, Iowa.

This spring, this Chester White sow farrowed 15 pigs that weighed a total of 46 pounds at birth. In 1944, the sow farrowed 14 pigs that made the 46-pound weight. In 1943, the same sow farrowed 13 pigs that totaled 42 pounds.

Retained Afterbirth Remedy Sought

Veterinary research is experimenting with the use of injections made from the posterior pituitary gland to prevent retained placenta in cows. Hormone therapy is also being tried to prevent sterility.

YOUR MONTH TO PLANT PROFITS!

Make your farm pay more! Cover more ground, save fuel, power, man-hours with this "Factory-Proved" Lubrication Technique!

Mobilgas
SOCONY-VACUUM

Mobiloil
—helps save power fuel

Many farmers have discovered Mobiloil pays for itself in fuel saving alone! It resists wear, sludge and carbon formation—helps lessen "blow-by" between cylinders and pistons. Helps save fuel, power and repairs.

THE RIGHT OIL . . . IN THE RIGHT PLACE . . . No guesswork about lubrication when you use this handy guide prepared especially for your farm equipment.

IN TACKLING farm machinery lubrication problems, Socony-Vacuum applies the same money-saving maintenance principles that help industry maintain steady output at lowest cost!

Your **Mobilgas-Mobiloil Man** makes a complete survey of your farm equipment and lubrication requirements — then furnishes you the *exactly right oil or grease* for every part of every machine you operate. You get specialized Mobiloils and Mobilgreases that fight wear—help save time and power on the job!

This "Factory-Proved" system can help boost farm income—by helping you work more acres per man—cut time-outs for overhauls and repairs —*lower overall costs per hour of operation.* Ask about it—let us put it to work for you!

SOCONY-VACUUM OIL COMPANY, INC.
Insurance Exchange Building,
Des Moines, Iowa

Have you changed to Fresh Mobiloil Gear Oil

Proper gear lubrication represents less than 3% of total tractor operating cost—yet gear sets are probably the most neglected part of all farm machinery. Gear oils need changing, too!

Mobilgrease
—"stays put!"

Mobilgrease is made in several grades for specific lubrication problems in the operation of cars, tractors, trucks and tractors—it sticks to the job—saves you time and trouble.

Mobilgas • Mobiloil

HEAR THE "EXPERTS" • **INFORMATION PLEASE** • NBC • MONDAY EVENING, 8:30 CWT

SUN PORCHES ARE LIFE SAVERS!

Another Example of How...

GOOD BUILDINGS INCREASE FARM INCOME

Extension people whose life work is poultry and farmers who count on their flock for cash income as well as food, all agree that good buildings and equipment spell the difference between profit and loss.

The sun parlor is a life saver. It is highly recommended. Its cost is low. And it helps you to reduce mortality, raise more chicks and grow healthier, sturdier birds. Attached to the brooder house it permits chicks to get outdoors when it's bright and warm and keeps them off the ground away from soil born diseases. It promotes sanitation—and the more chicks you save, the more laying hens you'll have, the more money you'll have for family needs. And this is just one of many examples of how good buildings increase farm income.

Good buildings affect the income of every farm activity. Good housing increases livestock production—good crop storage cures and protects crops, machinery sheds prolong the life and service of valuable tools.

Your Weyerhaeuser 4-Square Dealer can help you to plan for better buildings. His 4-Square Farm Building Service contains designs for practically every type and size of farm building and equipment. They have been designed by Weyerhaeuser engineers working closely with agricultural authorities. Blue prints are available.

See your 4-Square dealer and study his farm building service for your future building needs. And remember that good lumber is the best and most economical material for the farm.

☆ ☆ ☆

WEYERHAEUSER SALES COMPANY
FIRST NATIONAL BANK BUILDING • SAINT PAUL 1, MINNESOTA

WEYERHAEUSER
4-SQUARE LUMBER AND SERVICES

Subsidy For Feeders

A subsidy for cattle feeders, to enable them to buy more feeding cattle and feed them to heavier weights, is one of the recommendations of the Anderson Committee. Readers of Wallaces' Farmer and Iowa Homestead will remember that this paper has been advocating such a step, plus removal of packer subsidies on light-weight cattle that should be going to the feed-lots instead of to slaughter.

WASHINGTON, D. C.—The House Food Investigating Committee, headed by Representative Anderson, New Mexico Democrat, is lending constructive aid to War Food Administrator Jones in the latter's efforts to make the War Production Board, which controls the manufacture of farm machinery and processing equipment, and the War Department, which controls use of prisoners of war and the drafting of workers, give food producers more materials and man-power.

In a formal report based upon several weeks of investigation, the committee declared that, "due to existing shortages and the lack of stock-piles, full production is likely to be needed not only during 1945 but during 1946 and 1947."

The Anderson Committee made two recommendations designed to increase meat supplies. They were:

1. Payment of a subsidy to cattle feeders designed to encourage them to produce better and heavier beef cattle. The committee expressed the view that present price control regulations did not offer sufficient incentives to feeders.

2. Establishment of a price support of $13.50 per cwt., Chicago basis, for hogs on a drove basis. The present price support is $13 for good and choice butcher hogs, all weights up to 300 pounds.

There are signs that the black market in meats is spreading to sugar and eggs also. Demands by housewives for sugar for canning purposes are expected to be so great during the next six to eight weeks that some government officials predict there will be little if any of that commodity available in the stores by August.

Supplies of sugar would be replenished to some extent later on by the domestic crop of sugar beets and by imports.

Official estimates by the government indicate that not as much corn has been fed to livestock during the first four months of the present year as food officials had reason to expect. The Bureau of Agricultural Economics of the United States Department of Agriculture says that the carry-over of corn next October 1 may amount to between 450,000,000 and 500,000,000 bushels, as compared with last October's carry-over of 215,000,000 bushels.

Because ample supplies of feed are now available in most livestock producing areas, the government has discontinued the sale of wheat for feed except in the far west, where supplies are somewhat short.

Recent action by the government in increasing the dairy subsidy payment on butterfat in relation to the payment on whole milk is having a stimulating effect on the production of butter. The production of oleomargarine, on the other hand, is being reduced under a government order cutting quotas of vegetable oils to margarine manufacturers.

HELP YOUR LIVESTOCK

Get rid of parasites, germs, etc. and step up livestock gains Corn King Insecticides are the sure economical way to do it

Corn King STOCK DIP

A favorite for 30 years. Extra strength means greater economy, better results in killing germs, parasites. 5 phenol coefficient—1 gal. makes 75 gals dip at 1½c per gal

Corn King Sulphurized OIL

2-way medication cleans up sarcoptic and psoroptic hog mange, soothes injured hide. Ideal for oiler, spray, or brush. Recommended by many veterinarians

Corn King FLY SPRAY

100% active fly-killing ingredients, therefore more economical. Kills flies on contact, repels them hours later. Does not stain or gum.

BARLOW WRIGHT & SHORES Inc. Cedar Rapids, Iowa

• Ask your dealer about money-saving Corn King value and dependability, or write.

NOW AVAILABLE Trojan ALL YEAR HOG-WATERER

NO HEATING UNITS
NO LAMPS-NO FLOATS
NON-FREEZING

Provides constant supply of clean, fresh water. Saves time and labor—prevents water waste—safeguards health. Quickly attached to barrel or tank. Factory price $3.25. See your dealer or order direct—add 75c for postage—will refund if less. Money back if not satisfied.

AUTOMATIC IN ACTION!

Standard Manufacturing Company
BOX 10 CEDAR FALLS, IOWA

OTTAWA LOG SAW

EASY TO CUT CORD WOOD
GET FUEL FAST
BIG BOOK FREE

Wood is bringing the highest prices ever known. There is a big demand everywhere. Use an OTTAWA Log Saw, easily operated. Fells trees, saws limbs. Turn your wood lot into money. OTTAWA MFG. CO., 1728 Wood St., OTTAWA, KANS.

BECAUSE it does such a good and thoroughly safe job of milking cows, a lot of people like the Surge!

HIGHEST CEILING PRICES PAID

White or grey goose $1.37. White or colored duck $1.10. Quill: 15c. Send samples of your feathers for prices. SOUTHDOWN FEATHER CO., 6754 St., CHICAGO 21, ILL.

BUY A BOND TODAY! DO IT NOW!

More Sows will be kept for fall farrowing this year by Carl H. Maas, Iowa county, Iowa. Spring litters on clean ground shown above.

Increase In Fall Pigs

(Continued from page 1)

Hog raisers have found it difficult to get sows with spring litters bred for September farrow. About 10 weeks must elapse between farrowing and rebreeding for fall pigs. Therefore, sows that farrow spring pigs by April 15 might be rebred by June 24. This would make the farrowing date for the fall pigs about October 16.

Grover Loftin and son, La Verne, Poweshiek county, Iowa, hog raisers, have found a way to get fall sows bred on time without the spring crop of pigs interfering.

"We breed fall gilts for fall pigs and then rebreed them for spring litters," said the elder Loftin. This permits even earlier breeding for fall pigs if desired. The sows were bred for August pigs this year on the Loftin farm.

Sows that farrowed early can be bred for September litters, however. Leon Johnson, Poweshiek county, Iowa, raises two litters per year, March and September. "I wean the pigs and then breed the sows in a week or 10 days," Johnson explained.

This year, some farmers may breed sows for October farrowing if spring pigs were late and no fall sows are available. Good pigs can be raised from October farrowings, but somewhat better quarters and better care in winter are required. Larger pigs resist yard filth and the flu period much better.

Farmers who breed gilts for fall pigs agree that the bred gilts should not be left in the fattening pen. They should be on pasture, if possible, with enough corn, protein and minerals to keep them growing at a good rate, but not too fat.

If bred gilts must be kept in a yard, bulky feeds, such as oats and alfalfa meal, should replace a part of the corn. Somewhat the same type of feed should be given sows that were rebred after raising spring litters.

Brood sows should pick up weight without putting on a market finish. That usually means adjusting the bulk in the ration to get the desired result.

Some farmers say fall pigs cost more to raise because there is no pasture, and all feed balancers in the form of protein and minerals and bulky feeds must be provided in dry form.

But Johnson thinks fall pigs may make more money than spring pigs. "You have more time to take care of fall pigs," is his explanation. He thinks good care is a more important factor than weather.

From the rice fields of Texas to the wheat fields of Dakota, patriotic farmers are helping to win this war!

Working harder...and longer, they are achieving a marvelous record of *increased* production in spite of the fact that many of their former helpers are now serving Uncle Sam overseas.

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WATER SUPPLY EQUIPMENT

STEEL & WOOD TANKS
PIPE
FITTINGS
VALVES

(P-7)

Workday Pointers

LEAKING FUEL TANKS or pipes on tractors are dangerous as well as wasteful.

▲ ▲ ▲

TRACTOR FIRES that start around the exhaust manifold or leaky pipes can often be stopped by throwing dirt on them.

▲ ▲ ▲

"HALF A STAND of corn will make three-fourths of a corn crop" is an old saying, but who wants to raise three-fourths of a crop?

▲ ▲ ▲

MOVE THE SOWS rather than the pigs when weaning time comes. Let the pigs stay where they are acquainted during this difficult time.

▲ ▲ ▲

CLIPPING OR PASTURING oats or wheat on rich land where there is danger of lodging may save the clover stand, but it will reduce the yield of grain.

▲ ▲ ▲

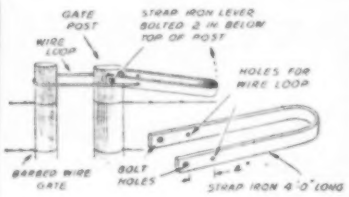
CLUTCH PEDALS on tractors or cars should not be used as footrests when you don't expect to stop. Partial release of the clutch wears the plates.

▲ ▲ ▲

CHICKS FIRST is a good rule when you go out to take care of the poultry. If you go to the older birds first, you may bring disease back to the chicks on your shoes.

▲ ▲ ▲

CHILDREN can open and shut tight barbed wire gates with the arrangement shown in the illustration. John W. Petersen, Woodbury county, Iowa, sends the idea. To open the gate, push up on the strap-iron lever,



which loosens the tension on the wire loop. To close the gate, put the loop over the gate-bar and push the lever down. The gate tightener can be made in a farm shop from old iron around the place.

▲ ▲ ▲

SORGHUMS produce 50 per cent more silage per acre than corn, according to recent experiments. Plant adapted varieties, on well prepared land, after the soil gets warm.

▲ ▲ ▲

GOOD PIG PRACTICE is to vaccinate for cholera at six weeks, wean at eight weeks, and castrate at 10 weeks. Dip or spray the pigs as often as necessary to control lice and mange.

▲ ▲ ▲

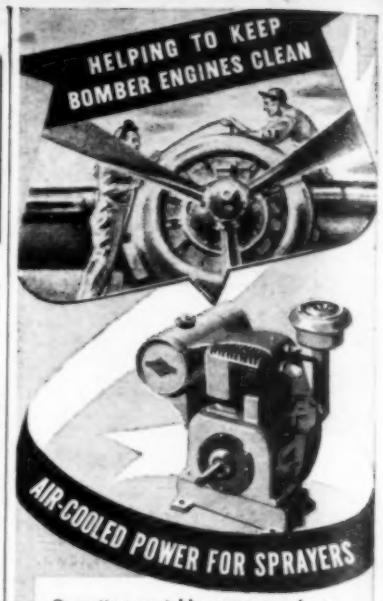
A PATCH OF SUDAN grass one-fifth as large as the regular pasture will rest the pasture during the hot summer months when it needs a breathing spell and the cows need more succulent feed.

▲ ▲ ▲

CORN ROWS with little jerks or sharp turns are hard to cultivate with high-speed tractors. But there is no need to worry about long, sweeping curves, particularly if they go around a hill.

▲ ▲ ▲

LISTEN to the click of the planter plates as the corn is being planted. If there is a change in the sound, look for something wrong. It may be the spring that ejects the kernels from the plates, or some of the valves between the corn boxes and the ground.



Operating portable compressed air units, used to clean bomber engines, is another of many "war duties" for Briggs & Stratton engines. When you buy that new gasoline powered sprayer, be sure that it's powered by a Briggs & Stratton 4-cycle *Air-Cooled* engine. Only in Briggs & Stratton engines can you be assured of the trouble-free performance made possible by 25 years of constant leadership in air-cooled engine design, engineering, and precision manufacture.

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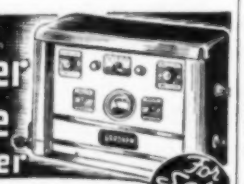

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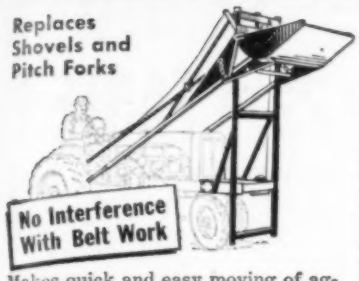

Makes quick and easy moving of agricultural lime, manure, dirt, sand, snow, corn, oats, barrels. Lifts machinery for loading and unloading on truck or trailer. Builds ponds. Hoists baled hay to loft or pile—pulls posts. Takes the backaches out of piling lumber, poles, etc. Does a hundred jobs and saves thousands of man hours.

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Make your own trap that will catch thousands. Join this national campaign to eliminate these pests. Write for details.
Ray Vail, Howe 21, Indiana

Voice of Farm

Thinks Roosevelt Like Moses

To the Editor: I am not a prophet, a son of a prophet, or even a good Bible student. Yet I can see quite a parallel case as to that of our late beloved president and that of Moses of old.

Moses led his people right up to the gates and within sight of the Promised Land, but was not allowed to enter or partake of the blessings. Just so, our president led the people right up to the threshold of the greatest achievement the world has ever known. Yet he, like Moses, was not allowed to enter, or to see his long-cherished hopes and ambitions realized.

As Joshua was chosen to lead the Jerusalemites into the Promised Land, we also hope, pray and believe that Harry S. Truman may be chosen to lead us to final victory and so endure to the end so that world peace and the cherished hopes and dreams of our late president may become a reality.—H. G. Bowers, Peoria County, Illinois.

Amen!—Editor.

When News on F. D. R. Reached Italy

To the Editor: I received a letter recently from my brother in Italy. You may be interested in what he says concerning the way in which some soldiers received the news of the death of President Roosevelt:

"The effect on the men was one of fear and insecurity. No one worried because of any influence it might have on the ending of the war; the worry was about the peace and the post-war period.

"Some of us know what happened after Lincoln's death, and what happened after the last war. . . . We are afraid some politicians will sell us down the river, just to get publicity before the next election. Wallace is a very popular man around this company, perhaps partly because I've always taken his part."—Mrs. Robert Capper, Madison County, Iowa.

Maybe we've learned something from our mistakes in 1866 and 1919. —Editor.

"This Should Be the Last War"

To the Editor: We were given to believe this was to be our last war. Naturally, we hope and pray this will be the case, as we have two sons in the service.

We are fighting against compulsory military training and all that sort of thing. Surely, we wouldn't want to think we would have to see our two grandsons in training when they are 18.—Farmer, Keokuk County, Iowa.

This will be the last war only if we are intelligent enough to make it so. If we don't work out a first-rate plan for international security, we'll need a big army and navy.—Editor.

To College, Not To Army

To the Editor: I do not believe in compulsory miltary drill in time of peace. You put it just the other way in the paper.

No mother wants her boy to go to war. I want my boys to go to college, not to war or the army.—Mrs. Earl Devine, Warren County, Iowa.

We're glad to make it clear that Mrs. Devine is against, not for, compulsory military training.—Editor.

Hi-lex

MONEY SAVER for DAIRY and POULTRY FARMERS

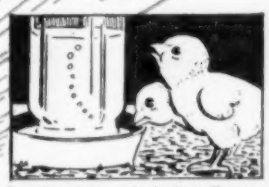
HOW HI-LEX WORKS

Hi-lex is used to reduce bacteria count in otherwise clean milk pails, teat cups, tubing and on separator parts. It saves you money by helping to keep your milk or cream score high.

. . . and to reduce disease in poultry by killing bacteria in hoppers, fountains, brooders and laying house. When it saves the life of a few pullets—it's paid for!

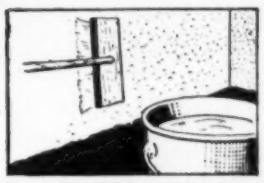
That's why Hi-lex more than pays for itself!

Four ounces
(half a cup) of Hi-lex, mixed in four gallons of water, makes an efficient, safe bactericide, disinfectant and deodorant. Try it!



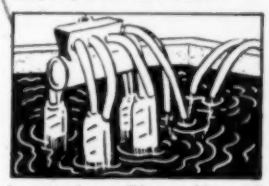
To reduce danger of infectious diseases use Hi-lex in poultry drinking water.

Clean, then rinse poultry hoppers, fountains, and brooder equipment, etc., with Hi-lex solution.



Clean, then disinfect poultry house and brooder walls, roosts, dropping boards, and floors with Hi-lex solution.

Clean, then rinse milk pails, strainers, cans, etc., with Hi-lex solution.



Immerse clean milking machine parts in Hi-lex solution.

Hi-lex in rinse water for separator parts.

Hi-lex A LOW COST BACTERICIDE AND DISINFECTANT.

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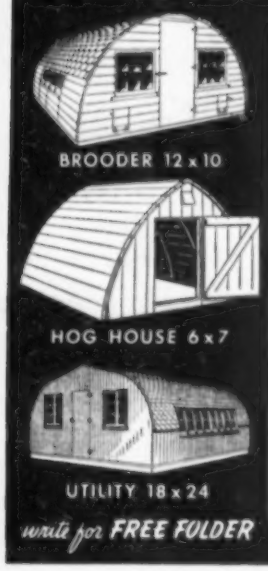

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These are high quality buildings. Lumber throughout is carefully selected, seasoned, full thickness. Shop prime coat of paint applied at factory.

Besides buildings shown, there are the Rilco pre-fab poultry house, panel built, in sizes from 12′ x 12′ to 12′ x 24′ and a 12′ x 16′, four pen hog house.

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Buy Bonds and Stamps to Smash the Axis

Grain Stocks Are Up

CORN, oats and wheat in all storage positions, on April 1 of this year, showed a marked increase over April 1, 1944. All three grains, however, were in smaller supply on April 1 1945, than on April 1, 1943, two years earlier.

While supplies increased during the year, the use of grains for feeding, processing and export, comparing the first quarter of 1945 with the first quarter of 1944, was as follows:

Corn disappearance was 794 million bushels in the 1945 quarter, compared with 880 million bushels in 1944—down about 10 per cent. Oats disappearance was up about 7 per cent to April 1, this year, and wheat disappearance was about the same for both years.

The following figures show the quantity of grains in all storage positions. April 1, 1945. All storaget positions include farms, mills, elevators, terminals, and grain stocks owned by the Commodity Credit Corporation.

Corn in storage was up 23 per cent on April 1 of this year, compared with one year ago. The total was 1,408 million bushels this year, compared with 1,141 million bushels on April 1, 1944. The 1945 total is 5 per cent less than total corn stocks on April 1, 1943.

Oats in storage were 6 per cent higher on April 1, 1945, than on April 1, 1944. Total was about 469 million bushels this year, compared with 442 million bushels at the end of the first quarter in 1944. Oat stocks this year were 13 per cent lower than two years ago.

Wheat stocks are up 3 per cent over one year ago. The total was 563 million bushels on April 1, 1945, and 544 on the same date one year earlier. Two years earlier, on April 1, 1943, wheat stocks were 38 per cent higher than on April 1 of this year.

Reserves of barley in all storage positions were up 7 per cent, comparing April 1 of this year with the same date last year. Rye stocks went down 44 per cent in the year ending April 1, 1945.

About 80 per cent of the total number of bushels of all five grains is stored on farms, and 20 per cent has been moved off farms for storage.

Corn Takes Fertility From the Soil

A 100-bushel corn crop contains about 167 pounds of nitrogen, 23 pounds of phosphorus and 115 pounds of potassium in the grain, cobs and stalks.

If the stalks are left on the land, the grain and cobs alone will remove from the soil about 108 pounds of nitrogen, 16 pounds of phosphorus and 35 pounds of potassium.

A crop of 60 bushels would remove about 65 pounds of nitrogen, 10 of phosphorus and 21 of potassium.

HOW HEIFERS GAINED 1/3rd FASTER

State College, N. Mex., Reports:

17 bred heifers, supplemented with *plain salt*, increased from 608.52 lbs. to 811.41 lbs. in 9 months, 6 days—gain 202.89.

In the same period, 17 other bred heifers, supplemented with salt *and calcium and phosphorus* (bone meal), increased from 604.94 lbs. to 881.35 lbs.—gain 276.41 lbs. or ½ more.

Cattle of all kinds thrive on calcium and phosphorus—in pasture or feed lot. These minerals are vital to growth, health and especially strength and livability of calves. And it is so easy and inexpensive to make sure they get these minerals.

BIG 4 Mineral Supplement Salt Blocks have calcium and phosphorus right in the salt. It is the automatic way to supply these vital minerals. At most feed dealers.

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84% salt of table quality.
16% minerals—the recommended minimum by State College, N. Mex.
Resists rain—compressed under 500 tons pressure.
Iodine added
BIG 3, same as Big 4, without iodine.

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Lots of Sick Animals

Ride With Veterinarian Proves Interesting

EVER had a chance to ride with a veterinarian on his rounds? This man has his finger on the pulse of the livestock of the community, and in accompanying him one gets a composite picture of the conditions that prevail.

At one stop, a cow had milk fever. "You'll lose perhaps one milk fever case in 30 or 40," Dr. R. confessed. "Generally, however, as a result of complications. The simple condition should respond immediately to the administration of the calcium preparation into the jugular vein (calcium gluconate is one of a number which may be used). The paralyzed cow should get on her feet almost immediately."

Frequent complaint was heard of failure to get sows with pig this year. There was a tendency to blame poor nutrition for these troubles. A sow needs a rich protein ration previous to breeding time, and a laxative, nutritious ration from then on, with plenty of minerals and vitamins.

No wonder that bred sows sorted from the feed-lot too often fail as producers. Then there is always the menace of abortion. Accidents may cause sows to lose their pigs, or contagious abortion may go thru a herd.

Here is a sad example. This man had 18 nice brood sows—tho perhaps too fat, weighing around 400 pounds. Every one lost her pigs and had to go to market. The few gilts they were able to obtain for replacement were small and of unpromising type. From the first to farrow, Dr. R. had taken one dead pig.

The owner had succeeded in getting another, dead and rotting. No doubt, others remained; but inflammation had now closed the passageway. All the veterinarian could do was to inject some antiseptic oil and hope for the best.

A sow with strong enough vitality can survive such an experience—the pigs will rot and slough away. But Dr. R. pronounced recovery very doubtful here.

At another stop there were boars to castrate, from a bunch of fall pigs. "I should have had it done sooner," the owner confessed, "but was just too busy to get around to it."

One runt was hardly half the size of its fellows. "We'll put them out on grass now," the farmer said, "and maybe he'll have a chance."

"Is it worms that cause this stunted condition?" Dr. R. was asked. "Yes," he replied, "they can take up a lot of the nutrition meant for the pig, but there has probably also been considerable enteritis (inflammation of the intestinal lining).

"Enteritis may form a hardened scar tissue on the intestinal walls and not enough surface will be left to absorb the nutrients in the feed." Worm infections and enteritis often appear together as a result of yard filth.

Finally, a visit to inspect horses under treatment for periodic ophthalmia (moon-blindness). "Yes, it can be cured," Dr. R. asserted, "if treated at its first appearance. We use a foreign protein, such as sterile milk, or serums, to apply to the eyes of afflicted horses.

"This was hardly a typical forenoon," Dr. R. remarked, as the car was once again parked at his office. "Yesterday was more interesting—a calf to pull, some pigs to take, a cow with milk fever, a calf with pneumonia—besides some sick sheep and some testing for Bang's disease. But no more calls — so that's it for this morning."

VETICILLIN*

PENICILLIN FOR LIVESTOCK

Veticillin, veterinary penicillin, now comes to the livestock world. It promises to perform the wonders achieved in human medicine. Already Veticillin is showing remarkable results in controlling Chronic and Acute Mastitis—including cases resistant to sulfa drugs. It is not irritating to udder tissues even with very high dosage, is relatively non-toxic, does not cause drop in milk secretion or change the looks of the milk.

The effectiveness of Veticillin against many other infections, which have long cut down farm profits, is strongly suggested by preliminary work. These include

Actinomycosis (lumpy jaw) — *Blood poisoning*
Anthrax — *Gas gangrene*
Local infections from all forms of wounds — *Swine erysipelas*

Veticillin is stocked by most druggists. Ask your dealer for literature. If he cannot supply you, send us his name.

Lederle ANIMAL INDUSTRY DIVISION

* Trademark

LEDERLE LABORATORIES INC.
A Unit of American Cyanamid Company
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Photo Courtesy Massey-Harris

CHANGE TO THIS NEW

Fighting AVIATION OIL

You won't fly through the field . . . when you change to Champlin HI-V-I (High Viscosity Index) . . . the new fighting aviation oil. Plowing and planting are too tough for that. But Champlin HI-V-I can help you speed up spring work by stepping up your tractor's performance.

Refined by an utterly new and different dual solvent process . . . from 100% Paraffin Base Mid-Continent crude . . . the finest obtainable . . . Champlin HI-V-I is so clear, so pure, so free from carbon, resin, and other sludge forming elements . . . it helps clean up your tractor engine and to keep it clean.

By accurate measurement . . . in actual engine performance tests . . . Champlin HI-V-I has reduced sludge as much as 500%.

Naturally this increases compression, and cuts down fuel consumption. It lessens the chance of fouled plugs, stuck rings, and scored pistons. Your tractor runs smoother, and stays on the job longer.

So before you take off for the fields this spring, drain and refill with Champlin HI-V-I. Available from friendly Champlin dealers and service stations. THE CHAMPLIN REFINING COMPANY, Enid, Oklahoma. Producers, Refiners, and Distributors of Petroleum Products Since 1916.

REMEMBER, *the armed Services have first call on all* CHAMPLIN PRODUCTS.

DEALERS-DISTRIBUTORS: ***To established petroleum jobbers and dealers, Champlin HI-V-I and other petroleum products offer a splendid opportunity for both present and postwar sales. Write for full details today. Your territory may still be open.***

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HI-V-I Motor Oil
"ON THE GROUND.. OR IN THE SKY"

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"To Fill Your Tank— Just Turn The Crank"

TOKHEIM HAND PUMP with FIL-O-MATIC SHUTOFF

With a Tokheim Hand Pump you have your own filling station—always ready to refuel motorized equipment in a jiffy. Eliminates bucketing waste and reduces fire hazards—for tank can't run over! When full, *Fil-O-Matic Shutoff* automatically stops gas flow. Complete unit is simple to operate and trouble-free. Also available without *Fil-O-Matic Shutoff* at slightly lower price. See your implement dealer or write factory.

FIL-O-MATIC SHUTOFF prevents any overflow

WATCH TOKHEIM! Because of heavy war production, Tokheim can't fill all orders today. But there will be plenty of pumps later; several *new* farm products, too. Watch for them. *General Products Division, Tokheim Oil Tank and Pump Co., Fort Wayne 1, Indiana*

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It's a postwar Promise ... from

Admiral.

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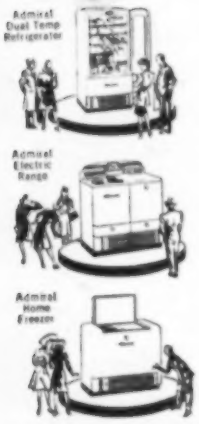

After the war, you can choose from a wide range of models in Admiral's line of radio-phonographs with automatic record changers. And only Admiral can give you Slide-A-Way. Just open the cabinet doors, out slides your complete phonograph turntable and automatic record changer. Put on the records you want to hear, close the doors, and sit back and enjoy the music. That's Admiral Slide-A-Way.

Admiral automatic record changers will offer many other exciting developments—faster changing time, permanent point needle, fewer moving parts, higher fidelity of tone.

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Admiral Corporation. CHICAGO 47, ILL.

WORLD'S LARGEST MANUFACTURER OF RADIO-PHONOGRAPHS WITH AUTOMATIC RECORD CHANGERS

Homemaking

Edited by ZOE MURPHY

Filling Up the Jars

HOMEMAKERS like myself are eager for canning time. There are the old reasons—empty jars piling up, a new crop at hand may be the best one yet, and new recipes to try.

This season will be especially welcome, for I have at last a pressure cooker. I'm enthusiastically waiting for the early things like peas, asparagus, strawberries, cherries, rhubarb.

The canning book that came with the pressure cooker tells that flavor will be better and the work easier and quicker with this method. After canning 15 seasons without a pressure cooker, I will not say one has to have one. In fact, for acid fruits and vegetables, the old ways, such as hot-water bath, still have a place.

I've always done spring canning—if one is going to can 100 quarts for each member of the family, she will have to get an early start, and in the spring the kitchen range doesn't seem to throw out quite so much heat.

Here in northwestern Iowa, asparagus and rhubarb tie for early spring use. Cut the asparagus when the stems are from three to ten inches high. Keep the hills cut back and the asparagus stems will be thicker. Cut with a knife at a slant just at the earth's surface.

Asparagus is a hard vegetable to clean because of the scales, which may cover up a lot of dirt and bacteria. I usually cut it into pieces one-half to one inch long for creaming. If jars are the right shape, cut in three or four-inch lengths and tie in bundles.

Bring to a boil in water to cover and pack vegetable and liquid in the jars; or blanch, pack and cover with boiling water. Process in hot-water bath for three hours, or in pressure cooker for 40 minutes. This timing is for quart jars, and one teaspoon of salt is needed.

The canning book quotes a prominent physician as saying: "When the vegetables begin to get out of the market, and hence off the tables as they do every winter, I, as a physician, must get busy."

I expect to keep the doctor away from our house by canning also a lot of peas. This year, I have the usual four or five varieties planted, but the Early Alaska and Little Marvel are the ones that can be counted on to yield generously.

It is hard to tell when the peas are ready for canning unless one has them at the table. If too small, too many are required to fill the jar. Also, there is danger they will get too old. I worried a lot once about some we left on the vine from Saturday until Monday afternoon. They were cloudy in the jar, yet kept well and tasted good.

After shelling the peas, canning methods are the same as for asparagus, except processing time by pressure is 45 minutes for pints. The new book does not recommend canning peas in anything larger than pints. I've felt this safer for a long time.

Peas still rate with corn and lima beans as being the most difficult to keep. I hurry the peas from the garden to the jars, being careful not to pile them, even in a milk pail, for any longer than it takes to pick them. Upon picking, take at once to the shade.

Fast pre-cooking and loose-pack aid in heat penetration and keeping qualities. After processing, a further aid against flat-sour is quick cooling.

Spread the hot jars on thick paper

(Continued on page 24)

Here's My "RISING STAR"

PERFECT RESULTS EVERY TIME WITH RED STAR YEAST

RED STAR

Quick! Sure-acting! Extra fast! That's the big, economical yeast cake with the famous RED STAR label. Make your baking a pleasure . . . as well as perfection . . . with RED STAR YEAST!

RED STAR YEAST

The Large Cake For Fast Rising

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Any time's a good time to buy war bonds. Buy as often, and as many, as you can. But remember—the best bond is the bond you buy and *keep!* The longer you hold that bond the greater its value to you. Peace is far from won . . . so go on buying bonds. But give them TIME . . . time to make good at backing the cost of war—and paying you back in full!

Selling bonds . . . collecting salvage . . . rolling bandages . . . many duties crowd these wartime days. And when a job's done, millions turn to Maxwell House for its friendly lift.

Because 1 **FINE QUALITY COFFEES,** from Latin-American highlands, are skillfully selected for that matchless Maxwell House Blend . . . Medellin coffees for richness, Manizales for mellowness, Bucaramangas for full body, and still other Latin-American coffees for vigor.

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RANGES and HEATERS

COUNTRY AIR

By ELIZABETH C. WHERRY

THIRTEEN men converging on the house at wood-sawing or silo-filling time is a comprehensible number of men to any farm woman. Thirteen hundred men filing past the windows of a narrow canteen building on the Clinton, Iowa, depot platform can be a fact—I saw them—but still not very comprehensible. Is it any wonder that thirteen million men are utterly incomprehensible, even in terms of the armed forces?

But those 1300 men! They climbed off six trains running thru Clinton between 10 p. m. and 1 a. m. the other night. They smilingly accepted the hot coffee, sandwiches and cookies—all for free—climbed aboard again, and were off to whatever errands had put them on those trains—furloughs, overseas, transfers, new schools, even discharges.

A couple of years ago, a few Clinton women started serving coffee and sandwiches across an express truck to service men with a 20-minute rest stop. The possibilities for service were so great that an organization was effected. It is called "Sustaining Wings."

About 75 women belong, and it is incorporated under the laws of Iowa. In order that it may function in its errand of good will, it must obey all regulations laid down by the railroad company and the army and navy. Also the ration board, we might add.

Its complexities grew, and so did the number of men. From January 1, 1944, to April 1, 1945, there were 843,467 service men—our sons and husbands (no civilians or trainmen)—treated to coffee, sandwiches, cold drinks, cookies, and—oh joy, oh bliss—sometimes cold milk.

One week—don't ask me which—there were 10,388 men that passed that little white shack on the platform. The canteen has a month's average priority on 55,000 paper cups.

Clinton organizations, from War Dads to Thimble Bees, began to offer their services, resulting in regularly scheduled plans for various groups. Lodges, clubs, church societies, American Legion Posts and Auxiliaries in nearby towns offered to take over assignments.

And that's how I got to wield my mighty right arm over the coffee cups the night I saw those 1300 men—anyway, that many uniformed arms—I hadn't time to look at all the faces.

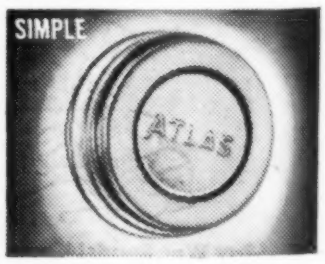
Five of us from a women's club group, with two men, took down chicken sandwiches and cookies for 200 of those 1,300 men. The Clinton workers furnished the rest, with sweet rolls for emergencies.

Sleepily the men tumbled off the trains—officers, rookies, decorations from purple hearts to unit citation ribbons, hitherto unseen shoulder patches, marines, sailors, soldiers, tall, short, tumbled hair, sleekly combed—they trooped by our windows.

We saw our first war correspondent. "Bow, of Mutual Broadcasting—off for the Philippines," he replied to our unabashed questions. From one curly-headed blond: "They doan't do this daown south." And from every man: "Thank you," "Thanks a million," or "Thanks a lot."

To mothers who worry over the horrible things the boys meet with in army and navy life, to the grannies who think all service men drip with profanity and poker chips, let me say that I never heard one single cuss-word in those three hours, no one smelled or acted drunk and there wasn't a discourteous word to the women back of the counter, to the many negroes in the line, nor to one another. I saw only 1300, but I'll accept them as a fair sample.

The closures you use insure the success of your home preserving. Atlas Caps are as famous as Atlas Jars.



The Atlas Mason Cap, one piece, and the standard for many years. As good now as when Grandma used them.

The famous two-piece cap of lid and screw-band. Easy to use and economical. Only the lids need replacing.

Screw-band, sanitary glass lid and rubber ring. Only the rubber rings need replacing. The real economy cap.

Atlas Closures fit all Mason jars. Get your supply today.

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Perfex SAVES ME HOURS CLEANING WALLS AND WOODWORK

AMAZING Perfex ZIPS THRU HOUSECLEANING

Perfex CLEANS WINDOWS INSTANTLY -LEAVES NO FILM

TRY Perfex FOR CLEANING RUGS AND UPHOLSTERY IT'S MARVELOUS

FOR FREE SAMPLE SEND 3c STAMP TO PERFEX CO. OMAHA, NEB

Perfex is a wonderful new kind of cleaner. Zips dirt from woodwork, walls and floors like magic. Marvelous for windows. Cleans upholstery and rugs. "Dry Cleans" curtains, dresses, woolens beautifully for 2c a garment. Try Perfex soon. You'll love it.

MAKES 20 GALLONS

ASK YOUR GROCER

HIGH BLOOD PRESSURE
A DANGER SIGNAL

Often associated with Hardening of the Arteries, a Stroke, Paralysis, Heart Trouble, Kidney Disease, and other grave complications. Resultful treating methods of the Ball Clinic have proven dependable for nearly a quarter of a century. Send for FREE Blood Pressure Book today. No obligation.

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for ARMY HOSPITAL pillows, sleeping bags, etc. Top ceiling prices. White and colored Goose $1.37½ per lb. White and colored Duck, $1.10 per lb. Also goose and duck quills (wing and tail feathers). Send samples of used feathers for quotation. All shipments accepted. Remittance same day feathers arrive.

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Housewives! Bake with
SUCCESS INSURANCE!

Use
MACA...
The Amazing Fast, Dry Yeast!
Use Just Like Compressed Yeast
—Mother Maca

Acts Extra Fast!
Requires No Special Tricks!

• Nothing new to learn when you bake with this fast-acting, quick-rising dry yeast. Use it just like compressed yeast—and turn out a batch of delicious, golden-crusted bread and rolls in a few hours. You'll love the wonderful, old-fashioned flavor Maca gives.

Always Handy!
Keeps Without Refrigeration!

You'll find Maca Yeast a marvelous convenience! Keep a supply on your pantry shelf and avoid extra trips to the store. Yes, even though Maca is used just like compressed yeast, it *stays fresh for weeks* without refrigeration! Every package is dated for your complete protection.

So enjoy the advantages of compressed yeast *and* dry yeast *combined!* Bake with success *insurance*. Use Maca, the *original* fast, dry yeast!

TODAY . . . *Maca is serving fighters overseas, so your grocer may not always have it. If he doesn't, ask for Yeast Foam (Magic Yeast). It, too, gives bakings a grand old-fashioned flavor.*

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Marmalade And Jams

Ripe Sour Cherry Jam

3 cups of prepared fruit
2 cups of sugar
2 cups of light corn syrup
1 box of powdered fruit pectin

Pit about two pounds of fully ripe cherries, crush thoroly or grind. (If stronger cherry flavor is desired, add a few crushed cherry-pit meats during cooking.) Measure sugar and syrup into dish and set aside. Measure fruit into a five or six-quart kettle, filling up last cup with water if necessary. Place over hottest fire. Add powdered fruit pectin, mix well, and stir until mixture comes to hard boil. At once, pour in sugar and syrup, stirring constantly. (To reduce foaming, one-fourth teaspoon of butter may be added.) Continue stirring, bring to a full rolling boil, and boil hard one minute. Remove from fire, skim, pour quickly. Paraffin hot jam at once.

Strawberry Marmalade

3 cups of prepared fruit
2 cups of sugar
2 cups of light corn syrup
1 box of powdered fruit pectin

Remove skins in quarters from one medium orange and one medium lemon. Lay quarters flat; shave off and discard about one-half of white part. With a very sharp knife, cut remaining rind into fine shreds. Add three-fourths cup of water and one-sixteenth teaspoon of soda. Bring to a boil and simmer, covered, 10 minutes, stirring occasionally. Cut off tight skin of peeled fruit and slip pulp out of each section. Add pulp and juice to cooked rind. Simmer, covered, 15 minutes longer. Crush thoroly or grind one quart of fully ripe strawberries. Combine fruits. Measure sugar and syrup into bowl and set aside. Measure prepared fruit into a three or four-quart kettle, filling up last cup with water, if necessary; place over hottest fire. Add powdered fruit pectin, mix well, and continue stirring until mixture comes to a hard boil. At once, pour in sugar and syrup, stirring constantly. Continue stirring, bring to a full rolling boil and boil hard for two minutes.

Ripe Peach Jam

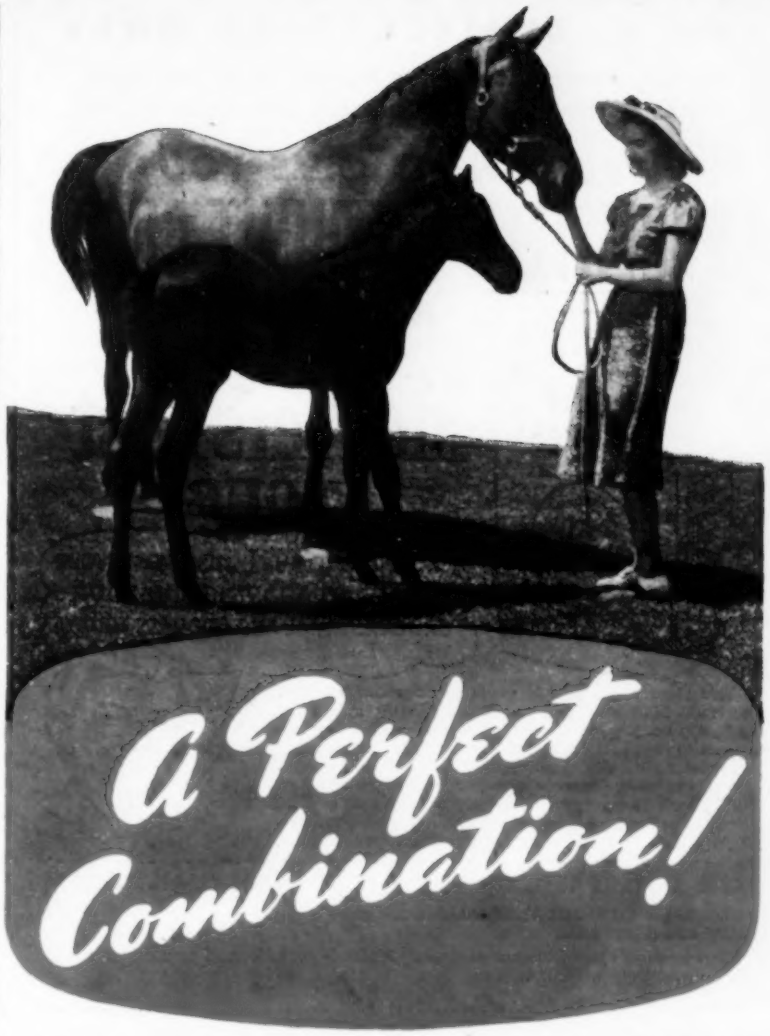
4 cups of prepared fruit
5½ cups of sugar
2 cups of light corn syrup
1 bottle of fruit pectin

Peel and pit or core about three pounds of fully ripe fruit. Grind or chop very fine. If desired, one to three teaspoons of spice may be added. (If peaches lack tartness, add one-fourth cup of lemon juice.) Measure sugar, syrup and prepared fruit, solidly packed, into large kettle and mix well. Bring to a full rolling boil over hottest fire. Stir constantly before and while boiling. Boil hard for one minute. Remove from fire and stir in bottled fruit pectin. Then stir and skim by turns for just five minutes, to cool slightly, to prevent floating fruit. Pour quickly. Paraffin at once.

Ripe Plum Jam

4 cups of prepared fruit
2½ cups of sugar
2½ cups of light corn syrup
1 box of powdered fruit pectin

Pit (do not peel) about two and one-half pounds of fully ripe plums. Cut in small pieces and crush; add one-fourth cup of water, bring to a boil, and simmer, covered, for five minutes. If desired, one-fourth to one teaspoon each of cinnamon, cloves and allspice may be added. Measure sugar and syrup into a dish and set aside. Measure fruit into a five or six-quart kettle, filling up last cup with water if necessary. Place over hottest fire. Add powdered fruit pectin, mix well, and continue stirring until mixture comes to hard boil.



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The most delicious coffees in the world come to us from a thousand little valleys high in the tropic mountains. Each is tasted at our flavor control room. Only the very choicest are kept . . . all others are rejected. That is where Butter-Nut wins its reputation for extraordinary flavor.

The jar Butter-Nut Coffee comes in is a real Duraglas fruit jar suitable for canning. Mason jar lids fit its standard size neck. So when you buy coffee get double value . . . Butter-Nut's flavor perfection, plus a valuable jar.

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THE COFFEE FARM FOLKS LIKE

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A 5 LB. SACK OF

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This remarkable offer is made to acquaint you with Enriched Mother's Best, the flour specially milled for all home baking. Find out for yourself what wonderful bread, featherlight cakes and tender flaky pastries you can make with this grand flour. If you live in any of the above states and are not now using Mother's Best Flour, we will give you, absolutely without cost, a 5 lb. sack. Just mail your name and address and your grocer's name and address on the handy coupon TODAY.

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If You Do Not Have a MAJESTIC Range—

—see your Majestic Dealer. He will be glad to help you select the model best suited to your needs. If you have a Majestic, be sure to use only genuine Majestic Replacement Parts.

MAJESTIC MANUFACTURING COMPANY SAINT LOUIS 3, MISSOURI

COOKERY CORNER

Spicy Gingerbread

1½ cups of white corn syrup
½ cup of shortening
1 egg, beaten
½ cup of dark molasses (or 1 cup of sorghum and only 1 cup of syrup)
1 teaspoon of ginger
1 teaspoon of cinnamon
½ teaspoon of cloves
½ teaspoon of salt
1½ teaspoons of soda
2¾ cups of sifted flour
¾ cup of hot water

Cream shortening with syrup. Add egg and beat thoroly. Add molasses and beat. Sift ginger, cinnamon, cloves, salt and flour together, and add to first mixture. Dissolve soda in hot water and add to batter. Beat thoroly. Bake in a greased shallow pan 45 minutes in a moderate oven (350 degrees F.). Serve with whipped cream, apple sauce or orange sauce. Especially good with sliced bananas added to the whipped cream.—Mrs. Pearl Thomas, Mahaska County, Iowa.

Liver, Potatoes and Onions

1 pound of fresh pork liver
4 medium size potatoes
2 medium size onions
1 teaspoon of salt
¼ teaspoon of pepper
3 tablespoons of flour

Grind liver, potatoes and onions thru finest chopping knife of food chopper. Mix well, and then add the salt, pepper and flour. Blend well together, and have hot grease in a heavy skillet, and drop by large spoonfuls in skillet. Flatten with a spoon to about half an inch in thickness. Fry slowly until well done and nicely browned on both sides.—Mrs. Glen R. Cass, Sac County, Iowa.

Rhubarb Chiffon Pie

2 cups of rhubarb
1 cup of sugar
¼ cup of cold water
4 tablespoons of gelatin
3 eggs
¼ teaspoon of salt
2 tablespoons of sugar
1 baked pie shell

Dice rhubarb, mix with sugar and cook in the top of a double boiler until soft. Drain juice from the pulp. Reserve the pulp. Measure the juice, adding water if necessary to make three-fourths cup of liquid. Mix slightly beaten egg yolks with rhubarb juice in top of double boiler. Stir over hot water until the mixture thickens. Remove from heat and add the gelatin and rhubarb pulp and stir until the gelatin is dissolved. Cool until mixture begins to thicken. Beat egg white and salt until stiff, adding sugar gradually. Fold into thickened gelatin mixture and pour into baked pie shell. Refrigerate till firm. — Miss Myrtle Odland, Wright County, Iowa.

Strawberry Whip

1½ cups of strawberry pulp
Sugar to sweeten
Two egg whites
Pinch of salt

Hull, wash and drain berries, and mash to a pulp; sweeten to suit the taste. Beat egg white stiff with the pinch of salt. Mix berries into the whites. Put in sherbet glasses, cover with custard, and serve when well chilled. To make the custard, beat one egg yolk slightly, add one tablespoon of sugar and a pinch of salt. Stir constantly while adding two-thirds cup of milk. Cook in a double boiler, continuing to stir while cooking, until mixture thickens. Add one teaspoon of vanilla extract.—G. A. R., Antelope County, Nebraska.

Never-Fail Dumplings

1½ cups of flour
2 teaspoon of combination baking powder
Pinch of salt
1 egg
¾ cup of milk

Sift and measure flour. Add baking powder, salt, and sift together. Mix in well-beaten egg and milk. Stir and drop in chicken or veal broth. Keep covered five to six minutes. Remove cover and continue cooking one or two minutes longer. The dumplings will be light. I usually thicken the broth a little before putting in the dumplings. This will serve four.—Mrs. L. G. L., Jones County, Iowa.

Spider Cornbread

¾ cup of cornmeal
¼ cup of sifted flour
2 tablespoons of sugar
½ teaspoon of salt
½ teaspoon of soda
1 well-beaten egg
¾ cup of sweet milk
½ cup of sour milk
2 tablespoons of butter
1 additional cup of sweet milk

Sift dry ingredients into a mixing bowl. Add egg and milk; beat well. Melt butter in heavy iron skillet. Turn in batter, and pour the extra cup of milk over the top; do not stir. Bake 25 minutes in a moderate oven (350 degrees F.).—Mrs. Opal Couch, Antelope County, Nebraska.

Brownies

2 eggs
1 cup of sugar
½ cup of cocoa
1 cup of flour
¼ teaspoon of salt
1 cup of nutmeats
1 teaspoon of vanilla

Beat the eggs and sugar. Sift in the salt, flour and cocoa. Beat well. Add nuts and vanilla. Bake in a 350-degree oven. May be dusted with brown sugar or spread with a thin coating of powdered sugar mixed with cocoa, hot milk and butter.—Mrs. M. A. Hoy, Monona County, Iowa.

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"The Baking Powder with the BALANCED Double Action"

REPLACEMENT OR REFUND OF MONEY ★ Guaranteed by Good Housekeeping IF DEFECTIVE OR NOT AS ADVERTISED THEREIN

"We give this seal to no one—the product has to earn it," says Good Housekeeping Magazine regarding this famous seal. Look for it on every Clabber Girl package.

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Baking Powder

YOUR SHOES ARE SHOWING!

EMBARRASSING, ISN'T IT?

YOU NEED **SHINOLA**

● Unshined shoes are an indication that you're not giving your shoes the care they need to wear well. Shinola helps hold in and replenish the normal oils in leather . . . helps maintain flexibility . . . and that means longer wear. It will pay you to KEEP 'EM SHINING WITH SHINOLA.

Summer note: For keeping white shoes clean and new-looking longer, SHINOLA WHITE is tops. Ask for it by name.

SHINOLA *for every type and color shoe* only **10¢**

"How Could I Get Sympathy WHEN I COULD NOT EXPLAIN?"

Many hesitate to seek relief because they don't like to speak of Piles. Yet the drain on their vitality goes on.

REAL RELIEF NOW

Quick, soothing, palliative relief is possible for Piles, and other rectal ailments not requiring surgical attention. Thornton & Minor's Rectal Ointment is a real *doctor's formula* . . . same used adjunctively for men and women patients at famous Thornton & Minor Clinic. Tends to relieve irritation, itching, pain. Helps to soften and shrink swelling. One-oz. Tube, with applicator nozzle, $1. Also available in Thornton & Minor Rectal Suppositories, 12 for $1.10. Money refunded if you are not satisfied.

At Good Druggists Everywhere

GERANIUMS—10 for $1.00. Fine young potted plants, pink, red, or assorted colors. COLEUS—15 for $1.00. Bright red for good clients. Orders of $1.50 or more postpaid. Prepaid. Pay 1c up.
WILSON BROS., DEPT. 7, ROACHDALE, IND.

BUY BONDS AND STAMPS

"We still have an alarm clock," reports this Iowa county, Iowa, farm woman.

Your Alarm Clock

Do you have a pre-war alarm clock? Or does the rooster wake you up? Or habit? Or the baby? How do farm people wake up on time these days?

FARM people do get up, no matter whether they have alarm clocks or not. The amount of farm work accomplished shows that.

But how do they manage it?

Wallaces' Farmer and Iowa Homestead, in a survey of farm opinion in a vein less serious than usual, asked this question of a cross-section of Iowa farm people:

"Since the war has set time an hour ahead, and since you can't buy an alarm clock, how do you wake up in the morning: Force of habit; rooster-power; family call, or some other method?"

We found that there are still a lot of alarm clocks in circulation in the country. A woman in Lee county, Iowa, said:

"Those pre-war alarm clocks are still running. The way our armies are going, the clocks will still be running when the war is over."

"Force of habit" got the biggest vote by those who explained how they got along without an alarm clock. About 57 per cent, pretty evenly divided between men and women, gave this as the answer.

Nobody pays much attention to roosters. They're unreliable. Five per cent of the men gave the rooster honorable mention, but only 2 per cent of the women.

"Family call, had 14 per cent of the votes. But, like the old question of "Who wakes the burglar?" this merely raised another query: "Who wakes the person who calls the rest of the family?" Apparently, "force of habit."

On "other methods," an Audubon county, Iowa, woman reports: "I am my husband's 'other method' for getting waked up."

An Ida county, Iowa, woman reports: "Since baby was born, I never set a clock. I got used to waking at 5, and still do."

From Johnson county, Iowa, comes this recommendation.

"We wouldn't need alarm clocks so bad if we only had sun time back. Help does like these early morning hours, so we go half-way between. But this makes it hard for us to get to the few places we do go to."

But after a discussion of substitute methods and their value—if any—a Monroe county, Iowa, woman sums up her views by asking:

"Just tell me where to get a good alarm clock!"

She Never Counts the Hours

The farmer's wife has a big share in producing the food America must have to win the war and keep the peace. She not only cooks, takes care of chickens, eggs, milk, butter, garden . . . but often works in the fields besides. Works to the very limit of her strength that men may have food to fight, to work, to live. She gets no medals, wears no uniforms . . . but she earns the deep appreciation of every American.

Farm Women Find a Lift In This Better *Kind* of Coffee

Mountain Grown Folger's Flavor is so rich we urge you to **USE ¼ LESS** *coffee per cup*

NO one knows better than the farmer's wife what a cup of Folger's Coffee means—what new courage it can give! For no one needs more the lift of this rich, vigorous coffee with the matchless flavor.

You are not extravagant when you serve Folger's Coffee at every meal—though it's a special *kind* of coffee—the richest flavored kind in the world—*mountain grown* coffee.

Because it's so rich and vigorous we urge you to use ¼ less of Folger's Coffee per cup—a real saving! There's a mountain of flavor in every spoonful of Folger's!

Mountain Grown

FOLGER'S COFFEE

VACUUM PACKED

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1. FOR FINEST DECORATION!
2. GOES ON LIKE MAGIC!
3. ONE COAT COVERS most wallpapers, painted walls and ceilings, wallboard!
4. INTENSE HIDING!
5. DRIES IN ONE HOUR!
6. NO "PAINTY" ODOR!
7. CLEANS EASILY!
8. LOVELY NEW COLORS!

Always ask for Genuine KEM-TONE

$2.98* Per Gal. Paste Form

You add ½ gallon water, which brings your actual cost-per-gallon down to only $1.98!

*Slightly higher in Rocky Mt. area.

KEM-TONE ROLLER-KOATER 89¢
KEM-TONE WALL BORDER TRIMS 15¢ up

ASK YOUR KEM-TONE DEALER FOR A FREE DEMONSTRATION!

HINTS FOR HOME BAKERS

Easy Raised Muffins a Welcome Change

Make them with Fleischmann's yellow label Yeast—the only fresh yeast with more EXTRA vitamins.

RAISED CORN MUFFINS

1¾ cups corn meal
1½ cups milk, scalded
2 teaspoons salt
3 tablespoons brown sugar
4 tablespoons melted butter or margarine
1 cake Fleischmann's Yeast
½ cup lukewarm water
2 eggs, well beaten
3 cups sifted flour

Stir the corn meal very slowly into the scalded milk. Mix in salt, brown sugar and melted butter or margarine. Cool to lukewarm. Dissolve Fleischmann's Yeast in lukewarm water and add to lukewarm corn-meal mixture. Add eggs and flour; beat well. Fill well-greased muffin pans half full. Cover and let rise in warm place, free from draft, until light, about 1 hour. Bake in moderate oven at 375° F. about 30 minutes. Makes 20.

New Revised Wartime Edition of Fleischmann's Famous Recipe Book!

Clip and paste on a penny post card for your free copy of Fleischmann's newly revised "The Bread Basket." Dozens of easy recipes for breads, rolls, desserts. Address Standard Brands Incorporated, Grand Central Annex, Box 477, New York 17, N. Y.

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Address _____
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Margaret and Margery are identical twins, and their parents, Mr. and Mrs. Hartkemeyer, of Benton county, Iowa, occasionally get them mixed.

Filling Up The Jars

(Continued from page 18)

or cloth in the cooler part of the kitchen, and as far apart as possible. If the day is very warm, remove to the basement as soon as the jars can be handled.

I like to freeze both peas and asparagus. Color and appearance are so different that it is like having another vegetable. Yet we like canned vegetables very well. They are easier brought up from the basement than from the town locker.

In spite of less sugar, I will be doing some berry canning. I will allow the customary one-half cup of sugar per quart. This really is enough now we are used to it. If in case that does not seem sweet enough, add one-fourth to one-third cup of white syrup. Dark syrup combines well with strawberries as far as the taste goes, but it does detract from the bright-red coloring.

I have high hopes our new strawberry bed will yield enough for canning in many ways—cold pack, open kettle, preserves, jam. If the yield is small, I will spread the berries out with rhubarb. Equal parts cooked together, with one half cup of sugar per quart, makes nice sauce—a little more sugar makes a fine conserve.

When there is fresh pineapple on the market, I combine that with rhubarb—one part of pineapple to two of rhubarb. Rhubarb spices up any fruit it is with, and at the same time takes on the taste and looks of the companion, which also may be cherries or mulberries.

We like rhubarb alone, cold-packed. Use just the pinker parts of the stalks, and use them early to save sugar.

Hardly any one in our vicinity has home-grown cherries — the winters are too hard. Most of us get a box or so of the early Bing cherries, as a substitute. They are easily canned, as all that is needed is to wash and stem, and heat in sweetening and water.

In all canning, it is well to have equipment ready before gathering the product. Jars should be carefully washed and sterilized 10 minutes at least, and kept warm until filling. Jars thoroly heated are less likely to break when filled with hot food. It never pays to hurry with canning—follow directions carefully. It's better to can in small quantities than to try to do too much at once.

It is risky to use old lids and rubbers. New ones cost little compared with the contents they protect and the labor that has been expended.—M. N., Ida County, Iowa.

HERE'S A SENSIBLE WAY TO RELIEVE

cramps, headache backache

Of 'CERTAIN DAYS' of the month

Helps Build Up *Resistance* Against Such Distress!

If you suffer this way due to female functional periodic disturbances, try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms. This famous *liquid* formula DOES MORE than relieve such monthly pain. This great medicine ALSO relieves tired, cranky, nervous, blue feelings of such days—when due to this cause.

Taken regularly — Pinkham's Compound helps build up *resistance* against such symptoms. A VERY SENSIBLE THING TO DO!

HELPS NATURE: There are positively no harmful opiates or habit forming ingredients in Pinkham's. This medicine *helps nature*. It's one of the most effective and best known medicines of its kind. Also a grand stomachic tonic! Follow label directions. INEXPENSIVE!

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BRISTLES CAN'T COME OUT
If your dealer does not stock, send money to
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WORKS FAST TO MAKE

SORE MUSCLES FEEL FINE

If your back is sore, your arms ache, and you feel bad all over, get a bottle of Sayman Liniment and massage some on gently. Notice how quickly it helps to loosen "tight" muscles, relieve stiffness and ease the pain due to over-exertion, exposure or fatigue. Only 50c at any drug counter.

SAYMAN LINIMENT
Made by the Makers of SAYMAN SALVE

Because it is backed up by Surge Service Dealers who have been carefully selected and thoroughly trained—a lot of people like the Surge!

ELASTIC ¼-in. 8 yards $1.00 [illegible] or black, 5 yards $1.00 [illegible] ing, white or black, 50 yards $1.00 [illegible] assorted colors, 30 yards $1.00. White or colors ½-in., 30 yards $1.00, plus postage.
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All-Mash Starter

—sweetened with Omalass, a Dextrose Sugar feed—

Give your chicks the EXTRA starting advantages of these 5 steps ahead—and see how this improved MultiRICH feeding formula can help hold down mortality and help push them along FAST. In addition to all the features of the famous Sargent Sweetened Starter, MultiRICH All-Mash Starter provides—

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—MORE MINERALS
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—Added Conditioners
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Yet No Increase In Price

Chicks eat so little—and that little makes SUCH a difference in the start they get—that the BEST feed you can buy is the best INVESTMENT you can make. MultiRICH All-Mash Starter combines the latest advances in chick feeding science, for livability, for growth vigor, stamina, resistance to disease. Give YOUR chicks these 5 added advantages. Ask your dealer.

—In your favorite print bags—

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DES MOINES, IOWA
Algona, Iowa—Monmouth, Ill.
Fremont, Neb.—Waverly, Mo.

"Better Switch to Multirich"

Sarah Jane Says:

Keep Fighting Pests

To the Editor: I seem to be missing out on all the excitement of taking care of baby chicks this spring. Ours are supposed to be started chicks, tho I am getting a few before long to put with a hen.

I haven't done that for so long I may have forgotten the hen-chick psychology, and a few chicks raised by that method may cause more grief than a few hundred in the brooder.

This cold weather hasn't been of much help in my activities. The days when I expected to air bed-clothes and woolen clothing were windy, sunless or wet days, so that isn't done. Washing, ironing, washing of milk things (separator, jars and buckets) seem to take a lot of time, so I have not twiddled my thumbs for lack of anything to do, but, as usual, none of these things "stay done."

I think I can give the early garden some attention before long, as the rows are showing up now, and a few weeds, too. The next planting is just beginning to come up. If I am not careful, they will all need hoeing at once.

The hens are laying well (eggs 31 cents), but not quite as well as they did a little earlier. I've had to renew their nests quite often of late. The hens wanting to sit cause broken eggs.

This is really my worst problem, unless it is the bothersome lice and mites.

Painting the roosts with nicotine preparation helps, and so does spraying the house and putting a spot of roost paint in each nest (don't let it get on the eggs), and greasing the hens when they want to sit, before I shut them in the coop. This grease gets the nits.

Any way that you take to free the hens of lice or mites is going to require work, and it has to be done when you want to do something else. But it pays to keep the hens happy, singing and cackling.—Sarah Jane, Warren County, Iowa.

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Our own Large Type White & Br. Leghorns / Austra-Whites	St. Run	$10.95	$13.95
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White, Barred, Buff-Rox / New Hamp., R. I. Reds / W. Wyan., Wh. Giants / Black Giants, Red-Rocks	St. Run	$11.95	$13.95
	Pullets	$12.95	$15.95
	Cock'ls	$11.95	$13.95
White Pekin Ducklings		$29.50	$31.50

In less than 100 lots, add 2c per chick. In lots 500 or more, deduct 50c per 100. No money down. C.O.D. if desired (except on range size pullets.) If full payment sent with order, deduct 50c per 100. 90% sexing guarantee. Free: Plans for 4 or 5 deck battery; also "How to Raise Chicks for Profit." WRITE TODAY.

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BROOD STOCK, 250 - 350 Egg-Sired Large "AAA"

WH. LEGS.	$ 8.25	WHITE ROCKS	$ 8.75
Pullets	14.95	Pullets	11.95
Cockerels	2.45	Cockerels	7.95

"AAA" Four Weeks Old Pullets

Catalog

MOSS' HATCHERY, Box 245-D, Windsor, Mo.

WANTED 2 to 2½ pound cockerels in these breeds: Orpingtons, Wyandottes, Brahmas, Sussex, Giants, Cornish. Will pay liberal premium over market and furnish shipping coops. State full information first letter. Also want to buy several hundred goslings, day old or older. Must be purebred. Accept any amount. Write Box 2, Wallaces' Farmer and Iowa Homestead.

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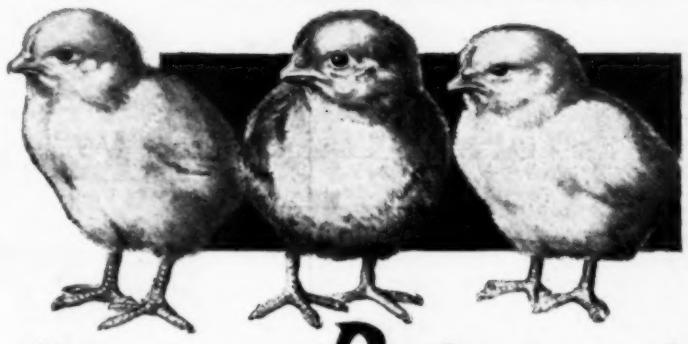

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Chicks should have certain parts of milk and fish for healthy growth. Borden's Ration-ayd is the modern, convenient way of feeding these essential parts.

It's as easy to feed Ration-ayd as to sugar your oatmeal. Just sprinkle three tablespoonfuls on 10 lbs. of starting mash and stir. No drudgery or messiness and very little expense.

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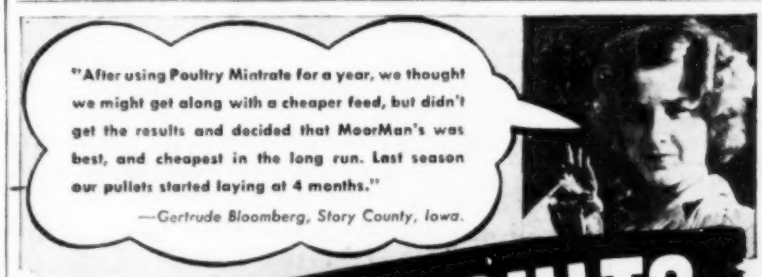
Ask your feed dealer or hatchery for a 5 lb. package today or write THE BORDEN COMPANY • *Special Products Division* 350 MADISON AVENUE, NEW YORK 17, N. Y.



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Price Per 100	Unsexed	Pullets	Males
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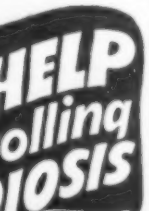

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Seconds $5.95. Heavy mixed $9.90. Buff and New Hamp. $14.90. For "AAAA" R.O.P. add 3c per chick; "AAA" add 2c per chick.
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$18.00 per 100	$10.00 per 100	$2.95 per 100

RICE LEGHORN FARM
Box 436 Sedalia, Missouri

WHITE LEGHORNS PULLETS

SELECT PULLETS—CHOICE GRADE	AAA	AAAA	AAAAA	Key Flock
2 to 3 weeks old — Per 100	19.90	21.90	23.90	25.90
3 to 4 weeks old "	28.95	29.95	30.95	31.95
4 to 5 weeks old "	29.95	30.95	31.95	32.95
6½ to 8 wk. open range "	30.95	31.95	34.95	37.95

100% delivery. Give express office; send M.O. Cat Free
BUSH White Leghorns, Box 433-TD, Clinton, Mo.

GRACE'S GOLD BANNER CHICKS
Low Prepaid Prices. 100% Live Arrival Guaranteed. Order direct today and Save!

TRIPLE A CHICKS	Unsexed	Pullets	Males
White, Brown Leghorns, Buff Minorcas	$11.50	$20.00	$5.00
Rocks, Reds, Wyandottes, Orpingtons, Minoras	12.50	16.00	9.90

Gold Banner Matings only 2 cents per chick more
BARGAINS! BARGAINS! BARGAINS!
STANDARD MATINGS—UNSEXED
White Leghorns..$8.90 Rocks, Minoras. 9.90 Assorted Lights and Heavies. . . 7.90 Assorted Heavy Breeds (Unsexed) . . . 8.90
Assorted Heavy Breeds (No sex guaranteed) . . . .$8.40 Bargain Assorted (not over 50% Leghorn Cockerels) 6.90
GRACE'S HATCHERY
ROUTE 25 CHILLICOTHE, MISSOURI

WHITE LEGHORNS Unsexed $11.95—95% Pullets $17.95
Barred Rocks, White Rocks, White Wyandottes, S. C. Reds, ... $11.95 UP F.O.B. 100% LIVE Guaranteed
Heavy Asstd. $8.95. Cockerels $4.95 up.
FREE CATALOG. 25 Breeds
Bloodtested—Egg Bred—High Livability.
Big savings on early orders. Started Pullets. Write today.
THOMPSON HATCHERY, Box 1337-T5, Springfield, Mo.

STOUFFER'S STURDY CHICKS
100% Alive. U. S. Approved. B.W.D. Tested.

	AA	AAA
White, Br. Bf. Leg., Anc., Wh. Bar., Br. Rocks Rcbs. Wyan., Orp. Austra-Whites, N. H. Reds	$11.95	$13.95 $13.95

Heavy Pullets $15.95. Cockerels $12.95. Leghorn Pullets $22.95. AAA Matings 2c per chick higher. AAAA R.O.P. Sired chicks 3c per chick higher. Heavy Assorted $7.95. Lights $6.95. Thousands weekly. Prompt delivery. Leghorn Cockerels $2.50. Collect. Get complete prices. We ship C.O.D.
SADIE STOUFFER HATCHERY
DEPT. B WADDAMS GROVE, ILLINOIS

SAVE FATS AND GREASE TO WIN THE WAR

DR. PORTER'S ANTISEPTIC OIL

MR. PLUG:
"For saddle galls and halter burns,
I want a boss who quickly learns
To use that Dr. Porter's Oil,
For him I'd work, for him I'd toil."

MISS FILLY:
"It's sad to see you cut and bruised.
I'd say that you've been badly used.
But your sore legs and bruises too—
Will seem, with Porter's Oil, like new."

It's no news to wise stock owners everywhere. They use Dr. Porter's Oil for all kinds of minor animal hide injuries. Halter and collar burns, cuts and bruises. Over ten million bottles sold. Be sure to get the genuine. Use exactly as directed. So good the boss uses it too.

The GROVE LABORATORIES, INC.
ST. LOUIS 3, MISSOURI
Makers of GROVE'S COLD TABLETS

New OTTAWA Post Hole Driller

MAKE BIG MONEY
Doing Custom Digging

The OTTAWA high speed driller is equipped with fast new type auger. Fits any row crop tractor.

Operated by One Man from Driver's Seat—
Drills holes plumb on any slope of ground.
Also use for planting trees, shrubs. Removes rotted posts. Guaranteed. Write for details.

OTTAWA MFG. CO., 528 Elm St., Ottawa, Kans.

FARM BUILDING PROBLEMS SOLVED!

For comfort, health, strong livability in chicks or layers, provide modern, economical, insulated, ventilated Walnut houses. Complete line of farm buildings. No priority needed. Write today.

GEM-WAY HOMES, Inc.
Walnut, Illinois

WALNUT
PRE-FABRICATION FOLDER—FREE

Central Illinois

Angus Sale

Congerville, Ill., June 20

The finest lot of cattle ever sold by our Association, bulls suitable for herd headers, cows with calves, bred cows and heifers with several attractive open heifers. Rich in blood lines, top individuals. Watch next issue for details. Ask now for FREE catalog, mentioning this publication when writing. Address

S. E. LANTZ, Secy., CONGERVILLE, ILL.
In Sale Pavilion Stock Yards

ANGUS AUCTION

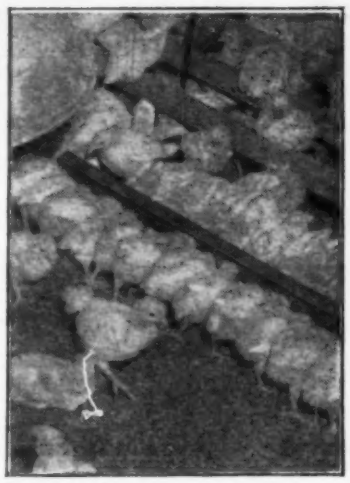
CHICAGO, ILL., JUNE 21st
IN SALE PAVILION STOCK YARDS

The leading breeders near here comprising some of the best the breed affords join together for the first CHICAGOLAND Sale. They sell 30 young bulls, a grand lot of females, all young cattle, royally-bred displaying type and merit. A class of cattle that will help work breed improvement. See next issue for details. Write now for FREE catalog mentioning this publication. Address

E. L. JOHNSON, Secy., ST. CHARLES, ILL.
CHICAGOLAND ANGUS ASSOCIATION

JOS. F. RIES
BROWN SWISS DISPERSAL
Tues., June 5, Rollingstone, Minn.
50 Registered Swiss—42 Females, 8 Bulls
Recent Cows . . Yearlings . . Calves
For Free catalog write
V. B. VYE, Sale Mgr., WAUKESHA, WIS.
Sale will be held on farm 15 miles west of Winona.

IMPROVED THREEBAND ITALIANS
3-lb package with queen $4.40. Queens delivered $1.00. Prompt shipment. Live delivery guaranteed.
FLOWERS BEE COMPANY, JESUP, GEORGIA



Feeder space may be a little short here, but the roosts are ready in good time.

Egg Prices Stay Up

Keep the hens laying. Don't ease off in feed or in care. Consumer demand for eggs will stay strong thru the summer, in spite of heavy egg production.

Reduced meat supplies and high consumer incomes are likely to keep egg prices above those of last summer. For the first quarter of the year, per capita egg consumption was 10 per cent above January-March, 1944. Yet prices received by farmers in the first three months of 1945 averaged 36.6 cents per dozen, or 4.4 cents higher than in the same period in 1944.

Demand for poultry meat will also continue strong. Price ceilings on broilers have been raised 1.25 cents a pound, effective on July 1.

Late chicks, with the fall broiler market in mind, can make money for some farmers this year. Pullets, headed for early egg production, should get special care.

Keep the hen flock going at full speed. Continue to cull, but don't be in a hurry to sell off the old hens yet.

Layers Need Mash In Summer

Laying hens should have mash in the summer-time as well as green feed in the winter-time. They won't break any egg-laying records if they have to live on bugs, worms and grass entirely in the summer, and on all dry feed in winter.

Hens getting mash every month in the year laid an average of 172 eggs per year in a Wisconsin test. Feeding dry mash only in winter produced an average of only 110 eggs annually per hen. Balanced feeding summer and winter added 62 eggs per layer.

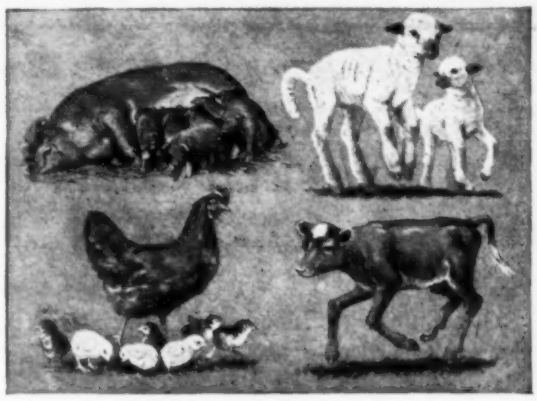
Summer mashes may be a little lower in protein content than in winter, however, and the mash need not contain the green material, or Vitamin D carriers, when the hens are on range.

SWEET POTATO PLANTS
Nancy Halls, Porto Ricans. Strong, vigorous, well rooted, shipped promptly. 500-$1.75, 800-$2.50, 1000-$3.00, postpaid. Satisfaction garanteed.
MARGRAVE PLANT CO., Gleason, Tenn.

GRASS SILAGE
USE SILOGERM when ensiling all green crops as well as corn. Nothing like it. Economical, clean and easy to use. Write TODAY for **FREE BOOKLET** containing interesting and valuable information.
THE SILOGERM CO. BLOOMFIELD, N. J.

PHOTO FINISHING
Beautiful print from each picture on roll 22c. Twenty-four years of satisfied customers. Quick service. **LENS PHOTOS, Dept. C-1, Janesville, Wis.**

WANTED--WHITE PIGEONS Express Paid
CRISMORE, 3753 N. Monticello, CHICAGO, 18



SULFA-GUAN-I-DINE

DEADLY ENEMY OF INTESTINAL INFECTIONS IN LIVESTOCK

Intestinal infections must be caught early to avoid profit losses from both a heavy death toll and stunted, unmarketable animals. Sulfaguanidine works rapidly to get these infections under control. Given promptly at the first sign of illness and in proper dosage, Lederle's Sulfaguanidine saves animals and usually prevents the after-effects of diseases that lower the market values of animals.

WHITE SCOURS affecting many calves is quickly cleared up with Sulfaguanidine and the serious form of the disease has little chance to get hold.

By controlling NECRO with Lederle's Sulfaguanidine treatment, hog breeders are marketing more pigs per sow farrowed.

COCCIDIOSIS in lambs can be controlled by simply mixing Sulfaguanidine with their feed.

Poultrymen are using Lederle's Sulfaguanidine to check COCCIDIOSIS losses in their flocks.

Farm profits rise as livestock intestinal infections are kept at a minimum with Lederle's Sulfaguanidine. Lederle's Sulfaguanidine is available in tablet, powder and OBLET forms. Lay in a supply of this amazing sulfa drug TODAY to help protect your animals and your profits.

Ask your dealer or write us for free illustrated booklet about the advantages of Lederle's Sulfaguanidine. There's information in this booklet of vital importance to you.

Lederle
ANIMAL INDUSTRY DIVISION

LEDERLE LABORATORIES INC.
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

South Central Iowa Angus Association

At Southern Iowa Fair Grounds

Oskaloosa, Iowa, June 12, 1945

77 HEAD
22 Choice Bulls
55 Desirable Females

A fine offering of cattle selected from 21 leading breeders in this section and include bulls that will appeal to good cattlemen. Seventeen cows with calves, bred cows and heifers, and 38 attractive open heifers.

CONSIGNORS

	Bulls	Females		Bulls	Females
Ben Bowne, Ottumwa	1	3	Cope Ferguson, New Sharon	2	0
Orr Bros, Thornburg	1	6	L. M. Fansher, Oskaloosa	0	2
J. W. Bonnater, Keswick	0	3	Clyde A. Hanna, New Sharon	0	2
Hobson & White, Sigourney	1	1	Groenbeck Farm, Albia	2	6
Ira Leisure, Packwood	0	1	Ernest West, Moravia	1	0
Glenn Willhoit, Batavia	5	3	Robt. Warren, Centerville	1	3
C. M. Smith, Rose Hill	1	1	Harley Vinzant, Centerville	1	0
El-Jon Farm, Rose Hill	1	1	H. L. Gillis & Son, Mystic	1	3
B. J. Snyder & Son, Oskaloosa	2	8	Randolph & Harper, Bloomfield	0	4
Clifford Gay, Oskaloosa	1	7	S. T. Yates, Sigourney	0	1

The families represented are **Miss Burgess, Blackcap, Enchantress, Erica** and others. The sires represented are **Bell Boy-M.K., Envious Blackcap B 6th, Barb Joe 6th, Emperor B., Revolution Blue Boy,** and others. Breeding and quality that will please. A class of cattle that will help work breed improvement. All T.B. and Bang's tested. Make plans now to attend. Ask for **FREE** catalog mentioning this publication. Address

CLYDE A. HANNA, Sec'y, NEW SHARON, IOWA

Auct. Roy Johnston J. E. Halsey, Fieldman

From where I sit ... *by* Joe Marsh

Dan Culpin gets his second wind

Dan Culpin got his plowing done in record time this year. He was sitting on his porch, enjoying a well-deserved glass of beer, while Bob Wirts, his neighbor, still had over an acre to go.

It burned Bob up, seeing Dan relaxing while he worked. So he'd stop and have a glass of cider — and make out that he was in no hurry anyway.

"And that was the trouble," Dan explained to me. "I kept on going till I got my second wind; and saved *my* rest until the job was done. He stopped to rest—and he *never* got his second wind."

From where I sit, there's a moral there for all of us. We've been working hard to win this war. A little rest may look awfully tempting. But by keeping going, by never letting up, we can count on getting our second wind that will overcome weariness and see us through to Victory.

Joe Marsh

Copyright, 1945, United States Brewers Foundation

SILOS POULTRY HOUSES

CHAMPION SILOS—permanent, tight, complete
CHAMPION HOG HOUSES—snug, safe and warm
CHAMPION LAYING HOUSES—50 hens to 1000
CHAMPION BROODER HOUSES—sturdy, sanitary

Hog and poultry houses all convertible to Giant Extension type. All can be used for corn and grain storage, too. SILOS strong enough for grass silage. Factory prices NOW.
Western Silo Co., Dept.W-5, West Des Moines, Iowa.

HOG HOUSES

EASTERN IOWA

Angus Breeders' Sale

From Jackson, Clinton, Scott and Muscatine Counties

Davenport, Ia., June 6th

At Mississippi Valley Fair Grounds

73 HEAD—13 Choice Bulls, 60 Fine Females

This is a selected lot of cattle from leading herds of this section and includes a class of cattle rich in pedigree, with type and quality that will please. They are consigned by:

Otto G. Nobis, Don B. Seaman, John DeWinter, Norman Schnecklorth, Davenport; Wm. Hansen and Hugo Rock, Dixon; Harry Bruhn, Harry Smith, Melvin Mumm, New Liberty; Alden R. Randolph, Long Grove; Raymond Kile, John Kile, West Liberty; Raymond Wirth, Baldwin; Clarence Koberg, Orville Dahms, Stockton; Cornelius Thines, Preston; L. J. Dolan, Jr., Charlotte; Frank Becker, Lloyd Guyer, Rosemere Farm, John M. Sheets, Maquoketa; Edward Myatt, Elwood; Chas. Butterworth, Bellevue.

Bulls suitable for herd-headers, cows with calves, bred cows and heifers and attractive open heifers. **Bell Boy, Bandolier, Rosemere** and **Earl Marshall** breeding. The families are Barbaras, Blackcaps, Blackbirds, Queen Mothers, Prides and Ericas. Nothing finer. A place to buy cattle that will be real **money-makers.** Plan to attend. Ask for FREE catalog mentioning this publication. Address

JOHN M. SHEETS, Sale Mgr., MAQUOKETA, IOWA
Eastern Iowa Angus Breeders' Association

Otto G. Nobis, Pres.; Al Hagebocck, Vice-Pres.; J. M. Sheets, Secy.
Auctioneer, Roy Johnston

Shorthorn Dispersion

At farm 2½ miles southwest of

UTE, IOWA, TUES., JUNE 5th

25 HEAD — 5 BULLS — 20 FEMALES

A desirable lot of purebred Shorthorn cattle, including the herd bull, **RAMBLER BOND**, a dark red, deep, thick fleshed, short-legged son of Brawith Rambler. Here is a tried and proven sire for someone. Also 4 younger bulls of serviceable age, herd bull prospects. The females include 10 desirable cows with calves at foot or forward in calf. Four young heifers with calves or close to calving and 6 open heifers. All well bred and presented in good condition. A real opportunity for someone to get a start in the purebred Shorthorn cattle business. This dispersion is to close a partnership, one member of which has recently died. All T.B. and Bang's Tested. Plan to come. Ask for catalog, mentioning this publication.

HARLOW HENRY, UTE, IOWA
Auctioneer, Bart Bielenberd

THE GOVERNMENT NEEDS YOUR OLD WASTE PAPER !

Cole's Angus Sale!

Sale at farm 5½ miles southeast of

Bethany, Missouri
Tuesday, June 5, 1945

52 Lots

50 CHOICE FEMALES, 2 HERD BULLS

A most desirable lot of well-bred cattle, presented in good thrifty breeding form. About 20 splendid cows with big fine calves at foot, many rebred. 20 good cows and heifers, mostly mated to **Superlative 711445**, top bull 1943 Marion County Sale, a son of **Bell Boy A. 7th.** 10 attractive open heifers. Some of the cows have calves at foot to service of **Envious Eric B. 5th**, a son of the International grand champion Envious Blackcap B. 6th. He is a tried andproven sire, just 5 years old, a real herd bull for someone. Also a good 2-year-old bull, by a son of **Eileenmere 85th.** All rich in well-known blood lines. The families are McHenry Blackcap, Ballindollich Blackbird, Elvina, Burnside, Evergreen, Elslow, Enchantress Ericas and other well known tribes. Good, dependable breeding cattle. Plan to attend. Ask for free catalog. Please mention this publication when writing.

WILBUR COLE, BETHANY, MO.
Auctioneer, Roy Johnston. M. T. White, Fieldman.

WESTERN IOWA
HEREFORD BREEDERS SALE

Both Horned and Polled Cattle

Atlantic, Iowa, May 31st

Fair Grounds

CONSIGNORS:

T. M. Hayden.....Creston, Iowa
E. J. Kennedy.....Lewis, Iowa
C. H. McKinney.....Afton, Iowa
J. R. Leslie.....Logan, Iowa
A. W. Anstey.....Cumberland, Iowa
Ray Truman.....Prescott, Iowa
Will F. Tracy.....Atlantic, Iowa
Louis Wiederstein.....Audubon, Iowa
A. C. Vennerburg & Son.....Stanton, Iowa
Ralph Hilyard & Son.....Cumberland, Iowa
Lee Hoskinson.....Prescott, Iowa

We are selling 57 head of purebred Hereford cattle in this sale, both horned and polled cattle. There will be 32 bulls and 25 cows and heifers, consigned by the best breeders in southwestern Iowa. All cattle are in good condition, and carry the most popular blood lines. There are a lot of outstanding cattle in our sale and we know there will be some splendid bargains offered. We think you will be able to buy some real bargains. There are lots of splendid bulls to be offered here and some splendid cows and heifers. There will be one or two tried bulls, and these are not only well bred but they are good individuals. We are selling cows with calves at foot, bred cows and an outstanding lot of heifers. We know of no place where you will find any more bargains than you will find in this sale. A good line of young cattle, all of which has a good background in the way of breeding. All cattle T. B. and Bang's tested. Write us at once for catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

RALPH HILYARD, Manager, CUMBERLAND, IOWA
Cols. M. H. and John Cruise, Auctioneers M. T. White, Fieldman

Second Annual Sioux Empire

Shorthorn Club, Inc.
SHOW AND SALE

SHOW 9:30 A. M. **SALE** 12:30 P. M.

At Sioux Empire Fairgrounds

SIOUX FALLS, SOUTH DAKOTA, TUES., MAY 29th

73 HEAD — 36 Big Rugged Bulls — 37 Richly-Bred Females

The leading breeders from **Iowa, Minnesota, North Dakota** and **South Dakota** are consigning their best cattle. Every animal has been inspected and they are the kind you will be pleased to buy for your herd. **$500** in prize money offered. Be on hand early and see the awards made by Chas. Garden, Des Moines, Iowa. Sale starts promptly at **12:30 noon.** Those looking for bulls will find the large number affords a wide selection—herd bulls and a bull for everyone interested. The females include several cows with big rugged calves at foot, many rebred; young bred cows and heifers and attractive open heifers. Breeding and quality that will please. A sale you will want to attend. Ask now for **FREE** catalog, mentioning this publication. Address

DR. R. M. SCOTT, Secy., 1501 South Main Ave., Sioux Falls, S. D.
Auctioneer, J. E. Halsey

MARELLBAR AUGUSTA 73rd, one of the greatest females to sell this year. Perfect in type, color and quality. A real one.

MARELLBAR INVINCIBLE, an outstanding son of Klaymor Footprint. A herd bull to improve the best herds.

QUALITY CATTLE

Annual sale at Marellbar Farm, located just north of Chicago

LIBERTYVILLE, ILLINOIS, TUESDAY, JUNE 5th

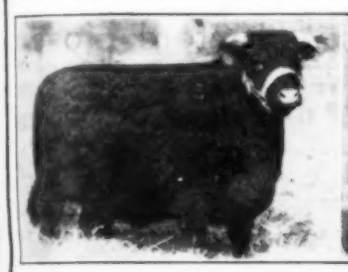
7 GREAT BULLS — 34 WONDERFUL FEMALES

This outstanding lot of richly-bred bulls and females are even better than the great offering we sold last year. Seven excellent bulls and 14 choice heifers, all daughters of KLAYMOR FOOTPRINT, his progeny are improvers—they will please critical buyers. All good solid colors, mostly deep dark reds, a few dark roans. They are out of some of the greatest cows in America, some are Imported dams. Five very choice IMPORTED heifers sell from the late Wm. Anderson herd of Scotland. Fifteen daughters of the famous COLLYNIE ROYAL BARRAGE (Imp.). Half brother to KLAYMOR FOOTPRINT and KLAYMOR FINGERPRINT. All Royally bred—no better breeding ever catalogued—the modern type—ideal colors—pleasing quality—great breeding prospects. The four illustrated here are only a fair sample of the fine offering. They will improve the best herds. Plan now to attend. Ask for **FREE** catalog, mentioning this publication. Address

MARELLBAR FARMS — **LIBERTYVILLE, ILLINOIS**

JOHN C. BLUME, Manager — MERLE C. WHALEN, Herdsman

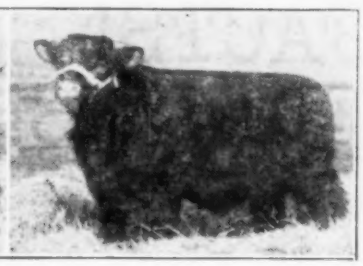
Auctioneers, J. E. Halsey and Hamilton James



AUGUSTA WINDFLOWER 6th, a marvelous heifer, displaying quality and will make a wonderful breeding matron.

ROSEBUD OF MARELLBAR, the kind anyone would like to mate to a good bull and improve his herd.

EDELLYN ROYAL LEADER 14th, a choice red January yearling by Edellyn Royal Leader (Imp.). A herd bull for anyone.



EDELLYN ROYAL LEADER 17th, a deep, dark red March yearling by Edellyn Royal Leader (Imp). A favorite of many.

26th Anniversary Sale at

EDELLYN FARMS!

Located just north of Chicago

WILSON, ILLINOIS, MONDAY, JUNE 4th

15 OUTSTANDING BULLS — 33 GRAND FEMALES

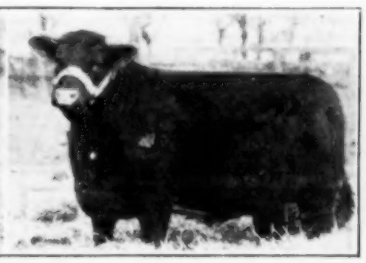
Twenty-six years of constructive breeding and the bulls now in service are superior to those that have been used before. The cream of the crop from 26 years of improvement, where many International grand champions have been produced. The 15 bulls include 9 sons of EDELLYN ROYAL LEADER (Imp.), 4 sons of CALROSSIE MERCURY (Imp.) the Perth Champion. One son of Edellyn Golden Mercury and Klaymour Forester. Herd bull material that will improve the best herds. The 30 females are the best ever sent forth from Edellyn. Many of the bulls and females are out of excellent Imported cows. Twenty-four of the females are well along in calf—the others are open heifers. Fourteen are mated to **Edellyn Royal Leader**, 4 to **Calrossie Mercury**, 4 to **Edellyn Royal Leader 16th**, and one each to **Bonny Mercury** and **Edellyn Royal Leader 12th**. Genuine foundation cattle—nothing finer in type, quality and blood lines. Study the four illustrations, merely a sample. Plan now to attend. Ask for **FREE** illustrated catalog, mentioning this publication. Address

EDELLYN FARMS — **WILSON, ILLINOIS**

THOS. E. WILSON, Owner — ALLAN C. ATLASON, Manager

Auctioneers, J. E. Halsey and Hamilton James

EDELLYN ORANGE BLOSSOM 57th, one of the finest to sell this year. She will help improve any herd.



EDELLYN ORANGE BLOSSOM 55th, the type that will improve any herd. A real foundation matron.

HOELSCHER BROS.

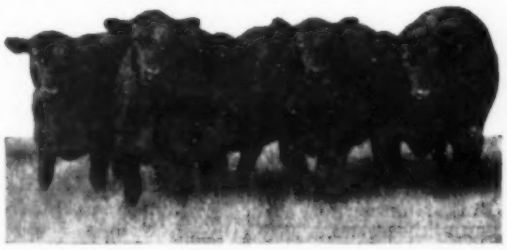
Aberdeen Angus Sale

With a Draft Offering from the Herds of

JOHN H. FITCH, Lake City, and ELMER JOHNSON, Kiron, Iowa

55 HEAD — 15 SPLENDID BULLS AND 40 CHOICE FEMALES

Carroll, Iowa, Fri., June 1



HOELSCHER BROS. are selling 15 bulls in this sale, including their present herd bull, ERIC BANDOLIER 3d, one of those thick, low down bulls that has been rendering a great account of himself in the Hoelscher Bros. herd, and he will make a splendid bull to go into any herd. He is now in his prime and his get in this sale will show for themselves. They have so many of his get is the only reason they are selling him. Then they are selling 12 or 13 young bulls that are mostly sired by this herd bull. Two bulls are sired by El Dara's Quality, by Barmar Quality 2d, a full brother to Barmar Quality. Seven of these bulls are from 18 to 22 months in age. They are also selling 19 good heifers, and these are very good and are in keeping with those that they have sold in former sales. These are sired by Eric Bandolier 3d and Blackcap Bandolier H.

JOHN H. FITCH will sell 10 of the very choicest heifers that he has in his herd, and these are in good condition and are nicely bred, just such as you would like to put into your herd.

ELMER JOHNSON is selling 10 heifers in this sale, and he always has the well bred, quality type that everybody is looking for, and their breeding is the best that you can find in the herd books. These heifers will be in nice condition.

You will like this offering that these breeders are selling in this sale. Write for catalog at once, and please mention Wallaces' Farmer and Iowa Homestead. Address

Frank Hoelscher, Mgr., Arcadia, Ia.

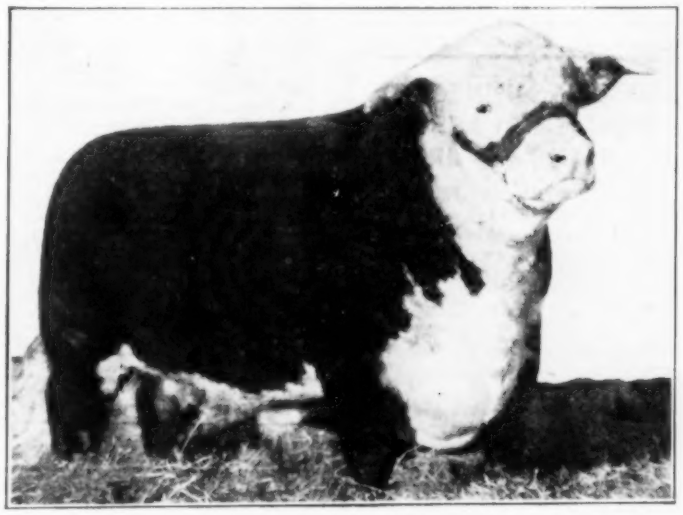
Col. J. E. Halsey, Auctioneer. — M. T. White, Fieldman.

WISDOM HEREFORD SALE

To be held at farm southwest of

BLOOMFIELD, IOWA, MONDAY, MAY 28, 1945

69 HEAD—THE FINEST SOLD THIS YEAR
50 Grand 2-year-old Heifers, 7 Choice Cows
12 Top Quality Young Bulls Ready for Service



ROYAL RUPERT K., a son of the famous T. ROYAL RUPERT 15th, 1940 International Grand champion. We gave $20,500 for ROYAL RUPERT K., a new top for Iowa. One of the truly great bulls of the breed. Many females sell mated to him.

An outstanding and richly-bred draft from one of the large herds of Iowa which include some of the finest females and young bulls sold this season. The 57 females include 50 extra choice two-year-olds and 7 excellent young cows, consisting of Hazelett, WHR, and Kimberling breeding. Many are mated to **ROYAL RUPERT K.** (illustrated here) a son of the International grand champion and he is truly a great breeding bull. Others bred to **SUPER BLANCHARD 2d**, the 1943 champion bull at Round-up show and sale and sold for $5,000. A son of Super Anxiety 5th, dam Princess Domino 72d. Several mated to his sire **SUPER ANXIETY 5th**, and **SUPER ANXIETY 31st**, his full brother. 12 outstanding young bulls, genuine herd bull prospects. Breeding cattle of the highest order, the sort for herd improvement. Plan to come. Ask now for **FREE** illustrated catalog mentioning this publication. Address

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WISDOM HEREFORD RANCH

Auctioneer, A. W. Thompson — M. T. White and J. E. Halsey, Fieldmen.

Remember the Blue-Grass Hereford Assn. Sale Bloomfield, Iowa, night of May 28th.

FACTS! FIGURES!

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CUTTER B-T-V

hog cholera vaccine!

Dear Sirs:

I thought you would be interested in some figures I have compiled from my records. They compare the number of hogs sent to market per sow that farrowed using serum and virus one year and B-T-V the next.

During the year we used the old serum and virus method, we marketed 4.6 hogs per sow farrowing. Under the same conditions, except for the fact that we used B-T-V, we marketed 6.6 hogs per sow that farrowed. Conditions were much more crowded the year we used B-T-V, as we marketed 1789 hogs that year. When we used serum and virus we marketed 758.

The better average per sow is due principally to the fact that we had no reactions in the pigs following the use of B-T-V and were able to keep them on full feed.

(Signed) M. L. Evans

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ANNUAL MINNESOTA HEREFORD ASS'N SALE AND FUTURITY

WORTHINGTON, MINNESOTA, JUNE 5, 1945

SHOW—2:00 p. m. SALE—7:00 p. m.

71 head offered for sale by 22 breeders of Registered Hereford cattle including 37 bulls at or near serviceable age, and 34 cows and heifers suitable for foundation stock. Many of the females will be bred to top-notch sires.

17 young bulls and 8 heifers are entered in the futurity classes. These are outstanding young selections. If you need a herd sire, foundation or replacement material, don't miss this event in a well-lighted sale ring. Ask for FREE catalog. Please mention this publication when writing. Address

Roland Abraham, Sale Mgr., Lakefield, Minnesota

Auctioneer, Freddie Chandler

Minnesota Shorthorn Breeders

SHOW 1:00 p. m. JUNE 7 — SALE 7:30 p. m. JUNE 7

MANKATO, MINNESOTA, JUNE 7

35 FEMALES — 25 BULLS

Sixty head of outstanding individuals from the leading Shorthorn herds in Minnesota—25 bulls of excellent quality which are at or closely approaching breeding age; 35 females of foundation caliber. Most of them bred back to top notch herd sires. All cattle T.B. and Bangs tested. Pedigrees and transfers will be supplied.

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730 Des Moines Bldg. Des Moines, Iowa

Registered Herefords BULLS AND FEMALES JUNE 1, 1945

We will sell at public auction 100 head, highest quality Registered Hereford bulls and females we have ever produced. Hazlett, Beau Aster, Real Prince Domino, and Battle Mischief 7th. Bloodlines which are recognized as being the leaders in the breed today. Write for catalog.

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Parker South Dakota

Minnesota Polled Shorthorn Sale

In comfortable sale barn

SHOW 10:00 A. M. SALE 1:00 P. M.

Slayton, Minn., Sat., June 2d

50 HEAD choice Polled Shorthorns from 17 leading herds of the state. 29 richly-bred females including cows with calves, bred cows and heifers and open heifers. 21 good thick rugged bulls, most all of serviceable age. Plan to attend. Ask for FREE catalog, mentioning this publication. Address

M. H. BASSETT, Secy.-Mgr., Rushmore, Minn.
MINNESOTA POLLED SHORTHORN ASSOCIATION
Auct., J. E. Halsey

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ILLINOIS STATE BREEDERS

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Milm & Fetzer Walnut Tree Stock Farm

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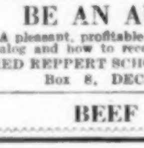
BEEF CATTLE

POLLED HEREFORDS

HORNLESS



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710 Old Colony Bldg., Des Moines, Iowa

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14 to 24 Months old

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Sired by Dales Crown and Shadybrook Knight. Farm on paved highway No. 169. 30 miles north of state line.
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15 bred and open heifers, 5 bulls, good breeding. Reasonable prices. Bangs vaccinated.
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EMMETSBURG, IOWA

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I am now offering my splendid Hereford herd bull for sale—W. Anxiety Domino 37th, he by W. Anxiety Donmino 25th, dam Donnetta 85th. Strongly Anxiety bred, a grand individual, and a good breeding bull. Three years old. Address
F. W. RANGE MILFORD, IOWA

POLLED HEREFORDS FOR SALE

Four registered bulls, 15 months old. Bred right, priced right, and built right. Low-down, the blocky type. Ten miles south of Iowa City; 5 miles northeast of Riverside on No. 218 paving. Telephone Riverside.
I. G. BIRRER RIVERSIDE, IOWA

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43 Registered Herefords

For sale, cows and heifers rich in DOMINO breeding. Also bulls ready for service. Farm 7 miles east of Toledo, Iowa.
LOUIS HURT CHELSEA, IOWA

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12 choice registered open yearling heifers, DOMINO and PRINCE DOMINO breeding. Also choice of either of my herd bulls. REASONABLE.
J. W. ST. CLAIR & SON CONRAD, IOWA

DAIRY CATTLE

JERSEY BULLS

Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs.

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Polk County Johnston, Iowa

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Sire imported and out of daughters of imported sire. Also others. Free list. Prices you can afford to pay.
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Bred for type and production. Priced reasonable.
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Offering choice month old heifers, in lots of 5 to 20, at $32.00 each delivered.
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Choice month old heifer calves, without papers, laid down at your station. $31.50 each, the right kind.
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5 bulls serviceable age. 2 grandsons of Coronation Rose King; 2 grandsons of Alfalfa Farm Flute; 1 grandson of Langwater Philosopher. Dams have records up to 600 lbs. fat. Also top younger bull calves. All T.B. and Bangs tested. Priced reasonably.
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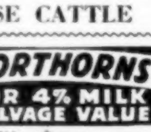

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Peerless & Belle Vernon Herd Decorah, Iowa

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I am offering a few choice herd boar prospects and 25 bred fall gilts, the large, smooth, black Poland Chinas, August and September farrow. Address
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Bred gilts. Boars. Pigs. Unrelated. Home of Fashion Corrector. Circular.
YALEHURST FARMS PEORIA, ILLINOIS

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We are offering 12 very choice fall boars, sired by our great boar BROADWAY, a son of Transformer. The thick, easy feeding kind that everybody is looking for. Write, phone or come and see them.
O. W. JONES & SON UTE, IOWA

HAMPSHIRE FALL BOARS

10 registered fall boars sired by GRANDIOSE, a son of all American GRAND HI ROLLER. If you want them thick, clean cut and heavy boned, don't miss these. Guaranteed.
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SKOW'S PACKER-TYPE HAMPSHIRES

Registered fall boars by Conscription Rake, he by Conscription Model. These are out of Market Topper, New Glory, Roller Supreme, Steam Roller and Roger's Hi Roller bred dams. See them or write us before you buy.
JOSEPH A. SKOW WESLEY, IOWA

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Proud Cherry King, Royal Fancy and Ahead breeding. Large, thick, deep, low-down. Wonderful hams. Good feet, legs and bone. Smooth and color. Breeder boars, farmer boars. Few top $100, others cheaper.
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DUROC FALL BOARS

Sired by Col. Packer, dams by Jack of Diamonds. The low-down type, wide backs and heavy hams. Weight 250 pounds or over. Farm 4 miles northwest of Stratford, or 3 miles north and 5 east of Dayton. Phone Stratford 11-16.
L. T. HOLBERT DAYTON, IOWA

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Still time to buy good fall boars for your herd. Filling orders for bred sows and fall gilts for September farrow. Write today; others choose while you delay.
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Workers—Companions—Guards. Write for free lists
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GENUINE ENGLISH SHEPHERD PUPS

(Heelers, no fooling.) (Year's trial.) Guaranteed.) Training instructions. Males, females, spayed females specialty. (Several partly trained.)
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Valuable fur. Delicious meat. Easily raised. Pleasant pastime. Large profit. Free booklet shows amazing profits from small investment.
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• We publish 1st and 3rd Saturday every month. Livestock copy must reach office 14 days before date of issue.

When writing to advertisers, will you please mention this paper.

Up-to-Date News Of Coming Livestock Sales

ABERDEEN ANGUS

May 21—Tall Corn Association, Marshalltown, Iowa; C. G. Mason, Mgr.

May 29—Wisconsin State Sale, Lancaster, Wis.; J. C. Perrin, Secy., Bloomington Wis.

June 1—Hoelscher Bros., Arcadia, Iowa; Elmer Johnson, Kiron, Iowa; John H. Fitch, Lake City, Iowa; sale at Carroll, Iowa. Frank Hoelscher, Mgr., Arcadia, Iowa.

June 4—North Central Iowa Breeders Sale, Garner, Iowa; E. V. Wilkinson, Secy., Rock Falls, Iowa.

June —Wilbur Cole, Bethany, Mo.

June 6—Eastern Iowa Breeders Davenport, Iowa; John Sheets, Secy., Maquoketa, Iowa.

June 11—Wayland A. Hopley, Atlantic, Iowa.

June 12—South Central Iowa Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., New Sharon, Iowa.

June 20—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.

June 21—Chicagoland Breeders Assn., Chicago, Ill.; L. L. Johnson, Secy., St. Charles, Ill.

Aug. 21—Western Iowa Breeders, Perry, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 27—Western Iowa Breeders, Storm City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 3—Western Iowa Breeders, Sac City, Iowa; Francis T. Martin, Mgr., Wall Lake Iowa.

Sept. 10—Wm. Hansen & Son, Dixon, Iowa.

Sept. 17—Frank Plummer and A. J. Dice, Marion, Iowa, at Cedar Rapids, Iowa.

Sept. 18—Central Iowa Breeders, Marshalltown, Iowa; C. G. Mason, Mgr.

Sept. 19—Iowa State Show and Sale, Cedar Rapids, Iowa; Herbert Cline, Secy., Bussey, Iowa.

Sept. 20—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.

Sept. 20—Minnesota State Sale, Blue Earth, Minn.; Colman C. Chase, Secy., Pipestone, Minn.

Oct. 1—Nodaway County Angus Breeders Assn., Maryville, Mo.; Hal Hooker, Mgr., Maryville.

HEREFORDS

May 26—Marion County Breeders, Knoxville, Iowa.

May 28—Windom Hereford Ranch, Bloomfield, Ia.

May 28—Blue Grass Association of Iowa (night sale) at Bloomfield, Iowa; Glen Hazen, Sale Mgr., Ottumwa, Iowa.

May 31—Western Iowa Breeders Sale, at Atlantic, Iowa; Ralph Hillyard, Mgr., Cumberland, Iowa.

June 1—Bones' Stock Farm, Parker, S. D.

June 5—Minnesota Breeders, Worthington, Minn. (Night sale) Roland Abraham, Mgr., Lakefield, Minn.

Aug. 25—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 28—Iowa-Minnesota Breeders, Webster City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 1—Western Iowa Breeders, Carroll, Iowa; Francis T. Martin, Mgr., Wall Lake Iowa.

Sept. 4—Fred M. Smith, Iowa City; Olson Bros., Kendall, and Oscar C. Sevig, Walford, Iowa.

POLLED HEREFORDS

Sept. 12—Werner Farms, San Jose, Ill.

SHORTHORNS

May 28—Marion County Breeders, Knoxville, Iowa; J. M. Doris, Secy.

May 29—Sioux Empire Breeders, Sioux Falls, S. D.; Dr. R. M. Scott, Secy.

June 4—Edellyn Farm, Wilson, Ill.

June 5—Harlow Henry, Ute, Iowa.

June 5—Maredbar Farms, Libertyville, Ill.

June 6—Breeders Sale, Chicago, Ill.; Will Johnson, Mgr., 16 South Locust St., Aurora, Ill.

June 7—Minnesota State Sale, Mankato, Minn.

June 23—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 Locust St., Aurora, Ill.

Aug. 31—Western Iowa Breeders, Jefferson, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 5—Western Iowa Breeders, Webster City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 17—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Mgr.

Sept. 26—John Swenson & Sons, Estherville, Iowa.

Sept. 27—W. E. Summerville and Geo. Struve & Sons, Manning, Iowa.

Sept. 28—Geo. Gruss, Greenfield, and Holz Bros., Kasey, Iowa.

POLLED SHORTHORNS

June 2—Minnesota State Sale Slayton, Minn.; M. P. Rovett, Mgr., Rushmore, Minn.

RED POLLS

June 6—Illinois State Sale, Shabbona, Ill.

MILKING SHORTHORNS

May 21—Breeders Sale, Sioux City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

May 26—Breeders Sale, Mason City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

DAIRY CATTLE

Sept. 20—18th Annual Guernsey Sale, Wellman, Iowa; Willard Marner, Mgr., Parnell Iowa.

COMMERCIAL FEMALES—CLUB CALVES

Aug. 21—Angus, Perry, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 27—Herefords, Creston, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 27—Angus, Story City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 28—Herefords, Webster City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Aug. 31—Shorthorns, Jefferson, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 1—Herefords, Carroll, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 3—Angus, Sac City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

Sept. 5—Shorthorns, Webster City, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

FEEDING CATTLE

Sept. 6—Oswald Strand & Son, Manly, Iowa.

CHESTER WHITES

Aug. 7—Brannon Farm, DeWitt, Iowa (Night Sale) Wayne Walrod, Mgr.

SHEEP

Aug. 20—Mahaska County Purebred Ram Sale, Oskaloosa, Iowa; Herbert Hoover, Secy.

LIVESTOCK FIELDMEN

R. T. WHITE, 604 No. Fortieth St., Omaha, Neb. Phone, Walnut 1056.

J. E. HALSEY, 1912 Grand Ave., Des Moines.

Livestock News

The North Iowa Hereford Association sale, Mason City, Iowa, May 3, under the able direction of Leigh Curran, secretary, brought out a very good attendance, which contained both Horned and Polled Herefords. The top bull was Battle Domino 19th, a Polled bull from the herd of P. M. Christensen & Son, and sold for $330 to Leo Huistiger, St. Cloud, Minn., who also bought several females. Bamby Domino 51th, by Letston Lad 233d, from Brown & St. Clair, was the favorite of many, and sold for $395 to Elmer Graf, Nelson, Iowa. The top female was Lula Belle, a four-year-old, from the herd of F. S. Thorne, and sold for $425 to Louis Larsen, Marble Rock, Iowa. Olefina, a three-year-old, from the Floyd Janssen herd, went at $250 to Leo Huistiger. The 9 bulls, some not yet 12 months old, averaged $250 each, with 23 females, including heifers 10 months old, averaged $191, and the 32 lots averaged $205. Auctioneer, J. E. Halsey.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

THE MIGHTY SEVENTH War Loan Campaign is off to a flying start with many communities already over their quota, but the present job is one that will require unanimous support from every citizen in the nation, because we still have a tremendous stake in this war. One of the first townships in Iowa to meet the quota of bonds assigned was Whitebreast Township, in Warren county, where farmers and townspeople alike rallied to the leadership provided by Frank Fehr, of Lacona, and his co-workers, to get the job done two weeks ahead of schedule.

AMONG THE MANY HONORS which have come to Iowa's Farm Bureau President, Allan Kline, perhaps the most coveted was his designation by Secretary of State Edward Stettinius as agricultural counselor to the United Nations' Security conference at San Francisco.

ALREADY MANY INSTANCES of good neighbor deeds, for which farmers are characteristically noted, have been called to our attention. We have in mind such deeds as a group of friends gathering at a neighbor's farm to help with spring planting after misfortune had struck the family. While such instances have always been an every-day part of farm life, it's apparent that if this same spirit were practiced on a world-wide basis much of our strife and unrest could be avoided.

UP IN NORTHEASTERN Iowa, in Clayton and Allamakee counties, Walnut Grove is establishing a truly remarkable reputation. On our customer lists there appear the names of men like Ed McNeil, Lloyd Bigler and the Klocke family, including Robert and Albert on separate farms in addition to three other brothers on different farms—Clarence, Rubin and Paul. These men must know the value of good mineral feeds, because they are consistent patrons of our representative for that territory, Art Schultz.

DAIRY PRODUCTION PAYMENTS, which are designed to help offset extra expenses on feed and labor, in order that consumer prices may be held down, show a variation from period to period that should challenge the statisticians who'll make the computations. Apparently, the boys who made up the schedule failed to realize that nearly as much labor is expended in the summer as in the winter, and at the same time cows fed properly balanced rations are just as hungry one month as the next.

WHILE THE FALL PIG GOAL for the nation is 18 per cent greater than actual farrowings last fall, Iowa farmers are being asked to boost their total production 25 per cent. In terms of sows to farrow, the new figure for Iowa will be 824,000, as compared to 659,000 litters farrowed last fall. That's quite an increase, but with adequate supplies of feed grains on hand, and with a sound realization that this extra pork is necessary, we expect to do our best to fulfill this assignment.

ON THE IOWA SIDE of the great Mississippi, Muscatine county farmers are becoming steady Walnut Grove customers. Our business in this section is increasing every day as our representative, Henry Sissel, serves faithfully both old and new customers. Among many others, farmers like Kenneth Oberhaus, Lawrence Braun, Glen Hermann, Walter Henke and Ernest Herlein have been added to our lists.

WHENEVER A FARMER applies for gasoline, now, in excess of 10 gallons for non-highway use, the local War Price and Ration Board will issue a delivery record upon which the supplier must indicate the date and amount of all purchases. Unless a farmer already has the bulk of his allotment, those applying this summer will estimate their needs for a six months' period, and will then be granted 70 per cent of their quota. The balance will be issued later if needed.

SUPERSTITIOUS ITALIAN FARMERS who recently lost 1,200 hogs from cholera in one community alone in southern Italy, in a ten-day period, challenged our army veterinarian's ability to bring the disease under control. However, after conducting an extensive educational campaign showing the benefits of American control methods, the Italians were finally convinced the Yanks knew their business. As a result, over a hundred thousand hogs were vaccinated and the disease was checked.

POTTAWATTAMIE COUNTY, Iowa, is the home of many consistent Walnut Grove feeders. Large-scale hog raisers who balance rations with our minerals include the Volkens Brothers, Herman, Ben and John, and, in addition, men like Alva Seaberg, Geo. Kerns and Richard Hesley, who each raise around 200 pigs every year. For the past four years, this business has been handled by our representative, F. E. Boyce.

NEAR VANCOUVER, Washington, some 1,300 dairy cows have been threatened with fluorine poisoning as a result of fumes from aluminum potlines. Authorities pointed out that fumes from an aluminum plant settled on the grass in nearby pastures, and when eaten, the poison caused knots on the animals' legs and ribs, swollen joints, and made many unable to navigate. Reportedly, many good milk cows had to be slaughtered.

IN NORTH DAKOTA, the state organization of the Farmers Union demonstrated their willingness to share their food with the world's hungry by instigating a campaign to collect half a million red points to turn over to the United States Relief Organization. Citizens of the state supported the drive magnificently, and the campaign went considerably over the top, and ahead of schedule, too. This is remarkable at a time when most of us are having trouble making our red points stretch.

PROSPECTS INDICATE the 1945 poultry program will be greatly curtailed, as the entire hatching season has been running far behind schedule and bookings for the last of this month through June are following the same pattern. It's apparent, though, that the supply of hatching eggs has been one reason for reduced supply. Then, too, hatchery operators, after having been caught in former years with a supply of chicks that couldn't be moved, have been cautious in following the trend of orders booked in determining the size of weekly hatches.

HOUSEWIVES PROBABLY did not smile very brightly when reduced sugar rations went into effect earlier this month. Meanwhile, many have been heard to say the curtailment of daily rations won't be as bad as the 25 per cent reduction in canning sugar allotments. For farm homemakers who can the bulk of the fruit supply used during the year, this move will create the biggest problem.

IT'S UNUSUAL FOR the navy to issue a crop report, but apparently that branch of the service is going to be sure of a part of their food supply, at least. Because it takes a lot of shipping space to get food to the men, the naval military government is conserving these facilities by farming captured Pacific islands. In this area, sailors have under cultivation some 5,000 acres, which are producing over $200,000 worth of vegetables a month.

BUGS GOT A GOOD BREAK in the weather last winter and this spring, and may cause farmers some trouble this season. The advanced spring gave the chinch-bug a good start in most parts of the country, and this pest may be as much of a threat to small grain as the corn borer may be to our corn crop. Meanwhile, in the deep south, lots of boll weevils got through the winter to menace the cotton crop there.

SOLD ONLY BY
DEPENDABLE REPRESENTATIVES
Walnut Grove Minerals
Home Office ATLANTIC—IOWA

Livestock News

The eighth annual Marion County Angus sale, Knoxville, Iowa, April 30, drew a large attendance, and the breeders presented one of the best offerings they have ever sold. One of the top females was Barbara McHenry B. 11th, consigned by Banks & Banks, and sold for $810 to Claude A. Saunders, Eldora, Iowa. Barbara Ann of Columbia 18th, owned by Ed. Murr, sold for the same price, $810, to Dr. R. C. Harkens, Osceola, Iowa. The top bull was Black Lad D. D., a son of Bell Boy A. 7th, from the herd of Dryer & Davis, and sold for $1,150 to K. Rodgers, Hamilton, Iowa. Belmar Jr., the favorite of many, a son of Belmar E., and from the herd of O. O. Emerson & Son, sold for $910 to Mike Cochran, Green City, Mo. Belmar E. 2d, from the same herd, went at $875 to Jim Howard, Laurel, Iowa. The 56 females averaged $310, with 26 bulls at $350 each and the 82 lots at a general average of $323. They went to buyers in Iowa, Missouri and Montana. Auctioneers, Roy Johnston and J. E. Halsey.

One of the very best Angus sales that has been held here in the west was the Krotz-Swartz sale, at Horton, Kan., on May 4, when they sold 13 head of bulls at an average of $760 per head and 59 females at an average of $355 per head. The top of the sale was the yearling bull, Ever Prince Revolution 2d 794559, bred by the Krotz Stock Farm, and he went to Dr. and Mrs. E. L. Cooper, Wichita, Kan., at $4,000. He was a grand specimen of a bull, and was one of the best sold this year. The next highest bull was Sunflower's Prince 2d, bred by the Swartz Bros., and he went to A. H. Smith & Son, Kansas City, Mo., at $1,700. Here was another great bull, and he was certainly worth the money. L. E. Moore, Highland, Kan., took Ever Revolution at $700, and Robert Spence, Crab Orchard, Neb., took Ever Prince Burgess at $875. Bernard Briggs, Antioch, Neb., secured Blackbird Revolution S. 6th at $575, and No. 4 and No. 6 each brought $300. The top heifer in the sale was Sunflower's Blackbird, bred by Swartz Bros., and she went to Charles Riley, Springfield, Mo., at $1,200. It was a great lot of cattle, and these two firms deserve much credit for the same. Roy G. Johnston and J. E. Halsey were the auctioneers.

On May 1, the Iowa Southern Aberdeen Angus Association held their annual sale at the Dr. Harken farm, near Osceola, with a large crowd of farmers and breeders in attendance, and they sold 66 cows and heifers at an average of $225 per head and 43 bulls at an average of $221. The top female was Miss Burgess 4th of Harken Farms, and she went to Mrs. John Arney, Leon, Iowa, at $600. Johnston Bros., Melton, Mo., took Barbara of Harken Farms at $530, and C. R. Peters, Des Moines, Iowa, took Belle of Harken Farms at $525. The top bull was Blackburr 3d, and he went to H. Jensen, Lorimor, Iowa, at $495. The offering was very largely made up of young cattle, and they were in nice condition, with a lot of good bargains. The sale was held in the Dr. Harken sale pavilion, on his farm, and this is one of the best pavilions in the state. Phane Hobbs was secretary and manager of the sale, and he did a nice piece of work. Cols. Roy G. Johnston and J. E. Halsey were the auctioneers in charge of the sale.

Paint Poisons Cattle

Cattle like poison in the form of fresh paint. Keep them away from freshly painted buildings and paint buckets or white lead containers. It takes prompt action to save animals from lead poisoning.

Rationing Calendar

SUGAR—

Sugar Stamps Nos. 35 and 36, in Ration Book No. 4, good for 5 pounds each. Maximum of 15 pounds per person for canning may be obtained by application to local ration board. Stamp No. 35 void after June 2.

SHOES—

Airplane Stamps Nos. 1, 2 and 3, in Book No. 3, are valid for 1 pair each indefinitely.

PROCESSED FOODS—

Blue Stamps H2 to C1, inclusive, in Book 4, are valid. H2 thru M2 void after June 2.

MEATS, CHEESE AND FATS—

Red Stamps Y5 to Z5 and A2 to U2, inclusive, in Book 4, are valid. Stamps Y5 thru D2 are void after June 2.

GASOLINE—

Stamps bearing the number "15," in "A" ration books, are valid for 4 gallons each thru June 21.

TIRE INSPECTION—

Truck and commercial vehicle tires must be inspected every 5,000 miles or every six months, whichever occurs first.

The Tank Truck

News from Your Conoco Agent about Lubricants, Farm Fuels, and Service

WHAT DO FARMERS LIKE IN A MOTOR OIL?

Tank Truck Salesman Harold Halstead discusses lubrication problems with W. R. Singleton on the latter's farm.

EVERY ONCE in a while, you read where somebody gets up on a stump to tell all the folks what farmers want done about this and that. All too often, these spokesmen are not farmers, and don't even seem to have done much talking to farmers! And according to a very wise man—who was born on a farm, by the way—"No one can speak for the people, but the people themselves!"

So when we ask, "What do farmers like in a motor oil?" we look for an answer from farmers themselves. And we turn right to some of the many letters about Conoco N*th* motor oil we're getting from farmers all along.

Iowan Praises Clean Running!

From his 120-acre farm near Marion, Iowa, comes W. R. Singleton's letter that seems to attach most importance to cleanness. He's been a steady user of Conoco N*th* motor oil since 1941 and he writes: ". . . the oil that I drain from my crankcase of my tractor, at 70 hours, is definitely cleaner. Too, the filter cartridge shows much less accumulation, and doesn't need to be changed as often. Since . . . using your N*th* motor oil I can see why it is what you advertise. . . . I am thoroughly satisfied with your full line of petroleum products." Chalk up one vote for cleanness!

Herman Schroeder tells Conoco Agent R. W. Powell about his swell experience with Conoco products.

Oklahoman Stresses Low Repair Cost!

Herman Schroeder has a sizable amount of equipment on his 320-acre farm near Stillwater, Oklahoma. He operates a McCormick-Deering tractor, combine and hay baler, a Dodge truck, and a Ford car. His likings are expressed in the following praise for Conoco N*th* motor oil. He writes, "My tractor has been in constant farm use since July, 1937, and up to now my total repair bills have amounted to only $45. Recently I took my tractor to the McCormick-Deering mechanic and told him to look it over . . . with so much use it was bound to need repairs. When I returned . . . the mechanic told me to get it out of his way, that it only needed a paint job and a set of tires. I have been an exclusive user of Conoco products since 1937. . . . Sincerely, I am a satisfied customer." That's a vote for wear-resistance!

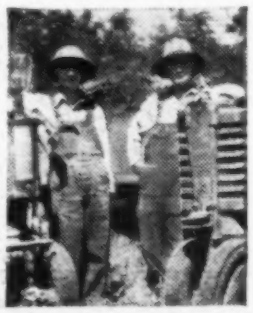
Tank Truck Salesman Russ Winslow has been bringing Conoco products out to Que Gledhill for quite a while now.

Colorado Farmer Likes Cleanness!

Ability of Conoco N*th* motor oil to stand up in hard service and still drain out clean gets further praise from Que Gledhill in his letter from Craig, Colorado. His 320 acres require the service of two tractors, a combine, two manure spreaders, drills, a truck and other equipment. Mr. Gledhill has used Conoco products for more than ten years, and writes that "during the entire ten years . . . we have not had a single breakdown due to faulty lubrication. I notice particularly," he adds, "your N*th* oil . . . even after many hours of extremely hard work . . . looks too good to drain out. I am convinced too, that Conoco pressure lubricant will hold wear to a minimum in all types of farm machinery." Another vote for cleanness!

Low Repair Cost—Cleanness, Too!

From Boise, Idaho, comes a fourth letter. It's from Jess G. Franz, who farms in the Boise Valley. He bought a new Farmall tractor in 1942, and started it right out on Conoco N*th* motor oil. "During the past two years," he writes, "my tractor has been operating almost constantly on my own farm and doing custom work for large and small farmers in Boise Valley. Conoco N*th* oil has met every requirement . . . I haven't had any expense on my tractor for mechanical work, the oil still stands up in good shape at 120 hours of operation and drains out looking good enough to run many more hours. For the past nine years that I have known Conoco products, I am happy to recommend them to anyone as they have served me well." Mark up one vote each for cleanness and wear-resistance!

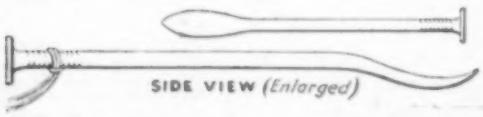


Jess Franz talks things over with his friend and neighbor, A. L. Williams, who is also a contented Conoco user.

$ DOLLAR-AN-IDEA $

Ideas that help to make work easier on the farm front are worth a dollar in any man's money! Send your original ideas to *The Tank Truck* in care of this paper—win $1.00 for each of your ideas printed!

Mrs. Gladys McCabe of New London, Iowa, put casters on the legs of a small table, which she uses, going in and out of the dining room, to carry dishes, silver, glasses and food.



SIDE VIEW *(Enlarged)*

The corn shucker shown in the illustration was made by Mrs. John Paulick of Giddings, Texas, out of a large nail or spike. The thong fits over the wrist when using the tool.

"A very serviceable lamp chimney can be made from a quart size jar," says Cecil Disney, Jr. of Spencer, Indiana, "simply by cutting off the bottom."

THE GREASE VETERAN SAYS:

"April showers bring May flowers, all right. But rain can also bring along plenty of grief for the man who leaves valuable equipment standing around without proper protection. It's quite a temptation, this time of year. You're working so hard and long these days that it sometimes seems a waste of good energy to put the tractor in the shed when you're going to be driving it out again after you've had a few hours' sleep. And to think of doing any greasing—well, it's a lucky tractor that gets attention like that right now! But you take a couple of good rains on exposed parts that aren't greased, and you can try to buy spare parts in a few weeks! Be honest with yourself—if you've got to be leaving equipment out-of-doors, give it some protection. Course, in the long run, it's better to play doubly safe; give it good grease and keep it indoors."

HOW CONOCO N*th* MOTOR OIL MEETS FARMERS' NEEDS

Well, there's your answer in a nutshell! Out of these four farmers, two attached most importance to clean operation; one seemed to feel that the paramount quality was wear-resistance for low repair cost, and one held the opinion that both were pretty good things to have. And their four letters, mind, were *picked at random* from among the dozens and dozens of similar letters your Tank Truck editor receives!

And now for the answer to another question: How does Conoco N*th* motor oil so *consistently* give farmers what they like in a motor oil? Well, there are two answers to that question—*Thialkene inhibitor* and OIL-PLATING. The first one is an added ingredient in Conoco N*th* oil that works to slow down any breaking up of the oil. The second is responsible for the extreme wear-resistance any engine gets from using Conoco N*th* motor oil. And now here's how Conoco N*th* oil gives any engine its protective OIL-PLATING . . .

Conoco N*th* motor oil contains a second special ingredient, you see, that has the remarkable ability to fasten OIL-PLATING to metal, as if with magnetic energy! Because it's a surfacing of lubricant, working right along with N*th* oil's regular liquid film, that OIL-PLATING gives your engine's insides unusual ability to resist wear—not only frictional wear, but even wear that would otherwise result from corrosive acids trapped in every engine!

With OIL-PLATING working around the clock to save your engine from wear, and with *Thialkene inhibitor* helping N*th* oil to stand up in all kinds of hard service, you can figure that your engine is mighty well protected! And you, too, can figure on getting the benefits of that kind of protection. For in fighting wear, your engine will be fighting lots of carbon, gum, and sludge. And it will have a better chance to hold compression, which helps power and starting, as well as oil and fuel economy.

Just ask yourself what *you* want in a motor oil—and see if you don't agree that Conoco N*th* motor oil will give it to you! Call Your Conoco Agent today for your *oil that* OIL-PLATES. He'll be glad to bring it out to you on his next trip—and he'll bring your FREE Conoco Tractor Lubrication Chart too—made up specially for your own make of tractor. Call him today. No obligation. Continental Oil Company

AT YOUR SERVICE WITH:

Conoco N*th* motor oil—Conoco HD oil
Conoco transmission oils—Conoco pressure lubricant
Conoco Pumplube, Rocclube and Coglube
Conoco Sujind grease, cup grease and axle grease
Conoco Bronz-z-z gasoline—Conoco tractor fuel
Conoco diesel fuel—Conoco kerosene and distillates

CONOCO

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